

Professor (em.) Dr.-Ing. Dr.h.c. Wolfgang L. Wendland

Curriculum Vitae

Personal Data

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Date of birth: September 20, 1936
Place of birth: Poznan, Poland
Marital status: Married with Gisela Wendland, maiden name: Born
Children: David born 1967, Katrin born 1970
Citizenship: Germany

Education

1955 - 1959 Mechanical Engineering and Mathematics at the Technische Universität Berlin.
Degree: "Vordiplom" for either field.

1959 - 1961 Mathematics at the Technische Universität Berlin.
Degree: "Diplom-Ingenieur Mathematik".

1956 - 1961 Scholarship of the "Studienstiftung des Deutschen Volkes".

1965 Doktor-Ingenieur: (Mathematics) at the "Technische Universität Berlin".
Dissertation topic: "Lösung der ersten und zweiten Randwertaufgaben des Innen- und Außengebietes für die Potentialgleichung im R_3 durch Randbelegung".
Advisor: Professor Dr. Wolfgang *Haack*.

1969 Habilitation (Mathematics) at the "Technische Universität Berlin". "Habilitationsschrift" topic: "Ein elementarer Existenzbeweis für eine Lösung der Beltramischen Differentialgleichung".

Employments

- 2004– “Professor Emeritus” at the Institute for Applied Analysis and Numerical Simulation, Universität Stuttgart.
- 2007 February–June “Guest Professor as Johann Friedrich Herder Do-cent” at the Babeş–Bolyai University in Cluj–Napoca, Romania.
- 2005 February–July “Guest Professor as Johann Friedrich Herder Do-cent” at the Babeş–Bolyai University in Cluj–Napoca, Romania.
- 2002 - 2004 “Ordentlicher Professor” (C4), Applied Mathematics and Director of the the Institute for Applied Analysis and Numerical Simulation, Universität Stuttgart.
- 1986 - 2002 “Ordentlicher Professor” (C4), Applied Mathematics and Director of the Mathematical Institute A of the University of Stuttgart, Germany. (1987 - 1989 and 1990 - 2000 Acting Director)
- 1995 - 2002 “Sprecher” (Director) of the “Sonderforschungsbereich SFB 404 Mehrfeldprobleme“ (Multifieldproblems) of the “Deutsche Forschungsgemeinschaft” DFG at the University of Stuttgart.
- 1992 - 1993 “*Dekan*” (Chairman) of the “Fakultät Mathematik der Universität Stuttgart.
- 1988 - 1995 “Sprecher” (Speaker) of the nation–wide “Schwerpunktprogramm” (priority research program) “Boundary Element Methods” of the “Deutsche Forschungsgemeinschaft”.
- 1974 - 1986 “Professor an einer Universität” (C4), Mathematics, Technische Hochschule Darmstadt, Germany.
- 1974 - 1975 “*Dekan*” (Chairman) of the “Fachbereich Mathematik der Techni-schen Hochschule Darmstadt”
- 1973 - 1974 Visiting Unidel Chair Professor, Mathematics, University of Delaware, Newark, Delaware, U.S.A.
- 1970 - 1973 “Ordentlicher Professor” and “Professor an einer Universität” (H4), Mathematics, Technische Hochschule Darmstadt, Germany.
- 1970 - 1971 Editor of the “Zentralblatt für Mathematik”, Berlin.
- 1969 - 1970 “Wissenschaftlicher Rat und Professor”, Mathematics, at the “Technische Universität Berlin”.
- 1969 “Privat-Dozent”, Mathematics, at the “Technische Universität Berlin”, at the “Lehrstuhl für Reine und Angewandte Mathe-matik” of Prof.Dr. E. Meister.
- 1967 - 1969 “Wissenschaftlicher Rat” at the “Sektor Mathematik des Hahn-Meitner- Instituts für Kernforschung”, Berlin.
- 1964 - 1967 “Wissenschaftlicher Assistent” at the “Sektor Mathematik des Hahn- Meitner-Instituts für Kernforschung”, Berlin.
- 1962 - 1964 “Wissenschaftlicher Mitarbeiter” and “Wissenschaftlicher Assis-tent” at the “Technische Universität Berlin”, at the “Lehrstuhl für Mathematik und Mechanik” of Professor Dr. W. Haack.

Appointments

- 1970 Full professorship at the Technical University Darmstadt, Mathematics; accepted 1970.
- 1977 Full professorship at the Technical University Berlin, research field, Mathematical Physics; not accepted.
- 1978 Full professorship at the Technical University in Vienna (Austria), Technical Mathematics; not accepted.
- 1985 Full professorship at the University Stuttgart, Applied Mathematics; accepted 1986.

Honours

- 1999 Doctor honoris causa, Babeş–Bolyai University in Cluj–Napoca, Romania.
- 2001 Commemorative medal for outstanding cooperation with Czech and Slovak mathematicians. Union of Czech Mathematicians and Physicists, Mathematical Research Union, Prague, Czech Republic.
- 2006 Frank J. Rizzo Award of the International Association for Boundary Element Methods.
- 2006 Commemorative medal for long–lasting support of Czech and Eastern European young mathematicians. Czech Mathematical Society, Prague, Czech Republic.
- 2019 Honorary member of the GAMM (Intern. Association of Appl. Mathematics and Mechanics)
- 2019 Honorary member of the Stuttgart Center for Simulation Science and Sim Tech Cluster of Excellence EXC 2075.

Research Interest

Applied Mathematics with emphasis on partial differential equations and integral equations as well as approximation and numerical methods.

Grants

DFG: (Deutsche Forschungs–Gemeinschaft, German Research Foundation)

For 30 months 1977 - 79: Grant for the project “The numerical implementation of Galerkin’s method for integral equations of the first kind”. The project was carried out by P. Kopp.

For five years 1984 - 89: Grant for the project “Corner singularities in three-dimensional elastic fields”. The project was carried out by H. Bumb (1984), H. Schmitz, J. Knothe (1985) and K. Volk (1987-1989).

For two years 1987 - 89: Grant for the project “Sedimentation”. The project was carried out by H. Kunik. Joint project with the University of Concepcion in Chile, granted by the German Ministry for Cooperation.

For seven years 1988 - 1995: Grant for the project “Boundary element methods of higher order and parallel domain decomposition”. The project was carried out by Prof. Dr. H. Kalik (1988–1993) and by Prof. Dr. M.–A. Sändig (1993 – 1995).

For five years 1989 - 1994 : Grant for the project “Adaptive finite element methods for transonic flows”. The project was carried out by U. Göhner (1989 - 1991), J. Felcman (1992 - 1993) and C. Coclici (1993 -1994).

For five years 1990 - 1995: Grant for the project “Adaptive boundary element methods”. The project was carried out by H. Schulz.

For five years 1990 - 1995: Grant for the project B6 “Macro element for shells” in the “Sonderforschungsbereich” 259. The project was carried out by A. Pomp.

For five years 1990 - 1995: Cooperation grant with the Karl–Weierstrass–Institute for Applied Analysis and Stochastics in Berlin.

For three years 1994 - 1997: Cooperation grant “Boundary elements of higher order” with Georgian Mathematicians in Tbilisi.

For twelve years 1995 - 2006: Grant: Sedimentation with Compression. Project A2 in the DFG–SFB 404. The project is carried out by Dr. R. Bürger (1995 - 2001) and Dr. S. Berres (2001 - 2006).

For nine years 1995 - 2003: Grant: Contact problems in machinery dynamics (jointly with Prof. Dr. W. Schiehlen). Project B1 in the DFG–SFB 404. The project is carried out by Dr. B. Khoromskii (1995), Dr. M. Bach (1996 – 2002) and M.S.Y. Jiang (2002 – 2003).

For six years 1995 - 2002: Grant: Coupled structures in solid mechanics and generalized domain decomposition methods. Project C5 in the DFG–SFB 404. The project is carried out by Prof. Dr. A.–M. Sändig (1995–2002) and Dr. M. Bochniak (1995–2002).

For six years 1995 - 2001: Grant: Computation in stationary heat transfer and radiation in complex structures (jointly with Prof. Dr. D. Dinkler). Project B7 in the DFG–SFB 259. The project is carried out by Dr. T. Maischak (1995) and Dr. M. Schulz (1996–2001).

For five years 1996 - 2000: Grant: Error indicators and adaptivity criterions for contact with friction. The project is carried out by Dr. C. Eck (1996–1998), Dr. H.Schulz (1998–1999), Dr. H. Guederi and Dr. W. Tang (1999–2000).

For four years 1999 - 2002: Domain decomposition and far field boundary conditions for conservation laws and electromagnetic fields. The project is carried out by Dr. C. Coclici (1999–2000) and Prof. Dr. Moroşanu (2001–2001).

For six years 2001 - 2006 jointly with Dr. O.Steinbach: Domain decomposition methods. Project C10 in the DFG-SFB 404. The project is carried out by Dr. G.Of.

1990-1999 Vice Director of the DFG-Graduate Collegium "Modelling and discretization methods for continua and flows at the University of Stuttgart.

BMFT (Bundesministerium für Forschung und Technologie, Federal Government Germany):

For three years 1993 - 1997: Grant for the project "Development of preconditioned iteration algorithms". The project was carried out by J. Zeifang (1993-1994) and by R. Quatember (1994 - 1997).

For four years 2001 - 2004, jointly with Dr. H.Schulz, Dr. O.Steinbach and ABB industry: Window techniques for the analysis of electromagnetic devices in electrical energy technology. The project is carried out by Dr. J.Breuer.

Stiftung Volkswagenwerk:

For five years 1987 - 1992, jointly with K. Kirchgässner: Grant for the project on the analysis and numerical solution of transonic flows. The project was carried out by Dr. H. Berger (1987 - 1989), Dr. T. Sonar (1989 - 1991), Dr. G. Warnecke (1987 - 1992).

For three years 1996 - 1998, jointly with Profs. Dres. F. Mikhailov, D. Isupov (Moscow), M. Efendief (Baku): cooperation grant for the project: "Application of a functional analytic approach to non-local strength conditions and criteria".

State of Baden-Württemberg:

1987 - 1991 jointly with H. Eppler and K. Kirchgässner: Grant for the research project on transonic flows.

1992 - 1994 jointly with W. Schiehlen: Multibody problems with contact problems including frictions. The project was carried out by O. Steinbach (1992) and C. Eck (1993-1994).

1993 - 1994 jointly with W. Schiehlen: Multifield problems, preparation of the SFB 404. The project was carried out by Dr. D. Berthold.

European Grants:

For five years 1995 - 1999: INTAS Grant of the EU: "Strong solutions and numerical applications for the Navier-Stokes system" with Profs. Dres. V. Maz'ya (Linköping, Sweden), S. Prößdorf (WIAS Berlin), A. Koshchev (St. Petersburg, Russian Rep.).

For five years 1998 - 2002: INTAS Grant of the EU: "Mathematical theory of cracks and their propagation" with Profs. Dres. M. Costabel, M. Dauge (Rennes, France), S. Nazarov (St. Petersburg, Russian Rep.), R. Duduchava (Tbilisi, Rep. Georgia).

For six years 1996 - 2002: ESF project AMIF: "Applied Mathematics for Industrial Flow Problems" (with institutes from Belgium, France, Great Britain, Italy, Netherlands, Norway, Sweden, Switzerland).

For three years 2000 - 2002: NATO-project: "Mathematical models for elastic

cusped plates and bars" (coordinator). With Profs. Dres. G.Jaiani, D.Natroskhvili, S.S: Kharibegashvili, O.Steinbach.

For four years 1999 - 2002: DAAD-Procope, jointly with S.Nicaise and A.Sändig.

Professional Affiliation

Deutsche Mathematiker Vereinigung (DMV),
Gesellschaft für Angewandte Mathematik und Mechanik (GAMM),
Berliner Mathematische Gesellschaft (BMG),
The American Mathematical Society (AMS),
International Society for Computational Methods in Engineering,
1987 - 1990 Treasurer-Secretary of the Intern. Soc. for the Interaction of Mathematics and Mechanics ISIMM.
Intern. Ass. Boundary Element Methods (IABEM) (1994 President)
Deutscher Hochschulverband.

Professional Activities

Occasionally member of the "Auswahlausschuß" at the "Studienstiftung des Deutschen Volkes" and "Bundeswettbewerb Mathematik" (1980, 1982, 1983, 1984, 1986, 1987, 1988, 1991).

Reviewer at the "Zentralblatt für Mathematik".

On the editorial boards of "Mathematical Methods in Applied Sciences", "J. Mathematical Analysis and Applications" and "Numerische Mathematik".

1974 - 1994 Consulting Editor of "Applicable Analysis".

1978 - 1988 Consulting Editor of the "Proceedings A of the Royal Society of Edinburgh".

1986 - 1991 Consulting Editor of "Engineering Analysis".

1982 - 1989 Consulting Editor of "Complex Analysis".

1986 - 1994 Consulting Editor of the "J. Computational Mathematics".

1986 - 1994 Consulting Editor of "Computational Mechanics".

1986 - 1994 Consulting Editor of "Advances of Computational Mathematics".

Member of the "Fachausschuß Angewandte Analysis und Mathematische Physik", the "Fachausschuß Diskretisierende Methoden in der Festkörpermechanik" (elected speaker 1985-1989), the "Fachausschuß Scientific Computing" and of the extended board (1994-1999) of the GAMM.

Adjunct member and since 2003 Adjunct Professor of the "Institute for Mathematical Sciences" at the University of Delaware, Newark, Del., 19711, U.S.A.

1992 - 1993 Member of the Programme and Steering Committee of the STAB

group (fluid mechanics).

1989 - 1995 Coordinator of the Nation-wide German Research Foundation activity "Boundary Element Methods".

1990 - 2000 Vicedirector of the Graduiertenkolleg "Modellierung und Diskretisierung für Kontinua und Strömungen" at the Universität Stuttgart.

1994 President of the IABEM

1995 - 2002 director of the Sonderforschungsbereich 404 "Multifield Problems" at the Universität Stuttgart.

2000 - 2016 member of the "DAAD-Fachgutachterausschuss".

2010 - 2017 member of the Scientific Advisory Committee for the CIDMA Institute at the University of Aveiro, Portugal.

1999 Doctor honoris causa of the Babeş-Bolyai University in Cluj-Napoca, Romania.

Organization of Workshops and Conferences

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| 2019 | October 3–6, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2018 | October , jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2017 | October 12-15, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2016 | October 13-16, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2015 | October 23–26, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): Workshop "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2014 | September 25–28, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): Workshop "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2013 | September 26–29, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): Workshop "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |
| 2012 | September 27–30, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): Workshop "Fast Boundary Element Methods in Industrial Applications", Söllerhaus Hirscheegg, Austria. |

- 2012 August 17.–18., jointly with B. Haasdonk, C. Rohde and K.G. Siebert: IANS Workshop: “On minimum energy problems”, Universität Stuttgart.
- 2011 September 29–October 2, jointly with U. Langer (Linz) and O. Steinbach (Graz): Workshop “Fast Boundary Element Methods in Industrial Applications”, Sölllerhaus Hirschegg, Austria.
- 2011 January 24–25, jointly with H. Harbrecht: SimTech Mini-Workshop “On minimum energy problems”, Univ. Stuttgart.
- 2010 September 30–October 03, jointly with U. Langer (Linz), M. Schanz and O. Steinbach (Graz): Workshop “Fast Boundary Element Methods in Industrial Applications”, Sölllerhaus Hirschegg, Austria.
- 2010 July 13 and 16, jointly with F. Speck (Lisboa): Special Session “Operator Theoretical Methods in Mathematical Physics, on the Traces of Erhard Meister” during the IWOTA 2010 Conference at the TU Berlin.
- 2010 July 1–2, jointly with Ch. Rohde and R. Sekhar, Workshop “Interfaces in Multiphase Flow”, Universität Stuttgart.
- 2009 October 15–18, jointly with U. Langer (Linz) and O. Steinbach (Graz): Workshop “Fast Boundary Element Methods in Industrial Applications”, Sölllerhaus Hirschegg, Austria.
- 2008 October 2–5, jointly with U. Langer and O. Steinbach: Workshop “Fast Boundary Element Methods in Industrial Applications”, (Sölllerhaus) Hirschegg, Austria.
- 2007 October 5–8, jointly with U. Langer and O. Steinbach: Workshop “Fast Boundary Element Methods in Industrial Applications”, (Sölllerhaus) Hirschegg, Austria.
- 2006 October 4., jointly with C Wieners: Organization of the Minisymposium “Fast Iterative Solvers” during the International Conference on “Multifield Methods”, University of Stuttgart.
- 2006 September 29. - October 2., jointly with U. Langer and O. Steinbach: Workshop “Fast Boundary Element Methods in Industrial Applications”, (Sölllerhaus) Hirschegg, Austria.
- 2006 July 6., jointly with O. Steinbach: Organization of the Minisymposium “Domain Decomposition Based on Boundary Elements” during the 17th International Conference on Domain Decomposition in St. Wolfgang/Strobl, Austria.
- 2005 September 25. - 28., jointly with U. Langer and O. Steinbach: Workshop “Fast Boundary Element Methods in Industrial Applications”, (Sölllerhaus) Hirschegg, Austria.
- 2004 September 29. - October 2., jointly with U. Langer and O. Steinbach: Workshop “Fast Boundary Element Methods in Industrial Applications”, (Sölllerhaus) Hirschegg, Austria.

- 2004 September 7., jointly with O. Steinbach: Organization of the Minisymposium “Fast Boundary Element Methods I and II” during the Sixth World Congress on Computational Mechanics WCCM VI, Beijing, China.
- 2004 July 30., jointly with O. Steinbach: Workshop “Applied Analysis” of the SFB 404, University of Stuttgart.
- 2004 July 25., jointly with U. Langer: Organization of the Minisymposium “Efficient Boundary Integral Equation Methods in Industrial Applications” at the Fourth ECCOMAS in Jyväskylä, Sweden.
- 2003 October 15. - 18., jointly with U. Langer and O. Steinbach: Workshop “Fast Boundary Element Methods in Industrial Applications”, (Söllerau) Hirschegg, Austria.
- 2003 July 7. - 11., Organization of the Minisymposium “Multifield Problems” during the “International Conference on Industrial and Applied Mathematics”, Sydney, Australia.
- 2003 March 26., Organization of the Minisymposium “Wolfgang Haack: 50 Years of Mathematics and its Applications” during the GAMM-Conference in Padua/Albano Terme, Italy.
- 2003 February 20. - 21., jointly with R. Bürger: Workshop “Hyperbolic and Strongly Degenerate Parabolic Problems” of the SFB 404, University of Stuttgart.
- 2002 December 1. - 7., jointly with J.C. Nedelec, Ch. Schwab and E.P. Stephan: Oberwolfach Conference “New Trends in Boundary Elements”, Oberwolfach, Germany.
- 2002 September 30. - October 2., jointly with S. Rjasanov: BMBF-Workshop “Boundary Element Methods. Modern Algorithms and Industrial Applications”, University of Saarbrücken, Germany.
- 2002 July 10., jointly with U.Langer: Organization of Minisymposium 131: “Computational Methods for Multifield Problems” during the Fifth World Congress on Computational Mechanics, Vienna, Austria.
- 2002 May 27. - 29., jointly with L.E. Andersson, M. Bach, G.Kuhn and P.Wriggers; Hereus Seminar “Contact and Fracture Problems”. Physikzentrum Bad Honnef, Germany.
- 2002 April 8. - 10., “International Conference on Multifield Problems”. SFB 404, University of Stuttgart, Germany.
- 2001 December 13. - 14., Annual Seminar of the SFB 404 “Multifield Problems”, Blaubeuren, Germany.
- 2001 October 16., jointly with A.-M. Sändig: Workshop “Pseudodifferential Operators and Cracks” of the SFB 404, University of Stuttgart.
- 2001 October 15. - 16., jointly with O. Steinbach and E.P. Stephan: Workshop “Modern Aspects of Boundary Element Methods”, University of Stuttgart.

- 2001 September 2. - 8., jointly with G. Lysik, B.-W. Schulze and B. Witt: International Banach–Centre Workshop “Ellipticity and Asymptotics in Spaces with Singularities”, Mathematical Conference Centre in Bedlewo, Poland.
- 2001 July 8. - 11., jointly with R. Bürger, A.-M. Sändig and O. Steinbach: “Analysis and numerische Methoden für partielle Differentialgleichungen der Strömungs- und Festkörpermechanik”, (Söllerhaus) Hirschegg, Austria.
- 2001 July 5., jointly with M. Bach, A.-M. Sändig, E. Schnack and J. Whiteman: Workshop “Contact Problems in Composites”, SFB 404, University of Stuttgart.
- 2001 March 2. - 3., jointly with H. Schulz: Workshop “Moderne numerische Methoden zur Lösung der Helmholtz-Gleichung”, University of Stuttgart.
- 2001 February 22. - 23., Annual Seminar of the SFB 404 “Multifield Problems”, Pforzheim, Germany.
- 2000 September 12., Organization of the invited session “Boundary Element Methods”, during ECCOMAS 2000, Barcelona, Spain.
- 2000 July 27. - 28., Evaluation Colloquium of the SFB 404, University of Stuttgart.
- 2000 July 14., jointly with O. Steinbach: Workshop “Fast Boundary Element Methods”, SFB 404, University of Stuttgart.
- 1999 October 9. - 10., jointly with R. Bürger: European Science Foundation – GAMM – DFG Workshop “Mathematical Problems in Suspension Flows” of the AMIF group, University of Stuttgart.
- 1999 October 6. - 8., jointly with A.-M. Sändig and W. Schiehlen: SFB 404–DFG–GAMM International Conference on “Multifield Problems”, University of Stuttgart.
- 1999 September 27. - October 1., jointly with M. Ganesh, I. Sloan and O. Steinbach: DFG–ARC German–Australian Workshop “Numerical Analysis of Boundary Integral Methods and Applications”, University of New South Wales, Sydney, Australia.
- 1999 July 26. - 30., jointly with U. Langer: Organization of the Minisymposium “Application of FEM–BEM Coupling in Continuum Mechanics” during the ENUMATH 99, Jyväskylä, Finland.
- 1999 July 5. - 7., Organization of the Minisymposium “Two–phase flows and sedimentation I and II” during the Fourth ICIAM Conference, Edinburgh, Scotland.
- 1999 June 21. - 25., Organization of the Minisymposium “Multifield Problems” during the 10th International MAFELAP–Conference, Brunel University, Uxbridge, U.K.
- 1998 October 14.: Organization of the minisymposium “Boundary Integral Methods” on the Geodetic Week, University Kaiserslautern.

- 1998 October 8.–9., jointly with A.–M. Sändig, H. Schulz and P. Richardson: Organization of the Statusseminar of the Collaborative Terearch Group “Field Interaction Problems” (German Research Foundation) in Bad Schussenried.
- 1998 September 15.–24., Summerschool of the Consiglio Nazionale delle Ricerche, Inst. Appl. Matematica in Vico Equense (Italy): 8 Lectures on “Boundary Integral Equation Methods”.
- 1998 August 25.: Organization of the minisymposium “Variational Inequalities, Crack Propagation and Contact Problems” on the Conference on Numerical Methods and Computational Mechanics at the University of Miskolc (Hungary).
- 1998 August 20.: Organization of the minisymposium “Multifield Problems” on the 4th Intern. Conf. on Numerical Methods and applications in Sofia (Bulgaria).
- 1998 July 10.: Organization of the minisymposium “Boundary Integral Equation Methods” on the Internat. IMACS Conference: Mathematical Modelling and Comp. Methods in Mechanics and Geodynamics, Modelling 98 in Prague (Czech Rep.).
- 1998 May 28., jointly with A.–M. Sändig: Organization of the minisymposium “Mathematical Aspects of Boundary Element Methods” on the IABEM Intern. Symp. on Boundary Element Methods at the Ecole Polytechnique Palaiseau, Paris (France).
- 1998 February 16., jointly with Monika Schulz: Organization of the workshop “Heat Radiation Problems” at the University Stuttgart, Collaborative Research Group 259.
- 1998 January 11.–25. and February 23.–March 6.: Guest of the Institute Mittag–Leffler, the Royal Academy of Sciences in Stockholm (Sweden).
- 1997 November 17–18, jointly with P. Richardson and H. Schulz: Organisation of the statusseminar of the SFB 404 “Mehrfeldprobleme” at the Reisenburg in Günzburg (Germany).
- 1997 November 3–8, jointly with C. Coclici and O. Steinbach: organisation of the international AMIF/SFB 404 Workshop “Domain Decomposition and Multifields in Fluid and Solid Mechanics” of ESF and DFG under the auspices of the GAMM in Hirschegg (Austria).
- 1997 March 24., jointly with W. Schielen: organisation of the minisymposium “Multifieldproblems” on the GAMM conference in Regensburg (Germany).
- 1997¹ February 23–March 24 : Visiting professor at the University of New South Wales, Sydney, Australia.

- 1996 October 9–11, jointly with M. Bach and M.–A. Sändig: organisation of the “Conference on Analysis, Numerics and Applications of Differential and Integral Equations” at the Universität Stuttgart (supported by DFG and GAMM).
- 1996 September 11–12, jointly with R. Duduchava and M.–A. Sändig: Minisymposium “Mathematical Modelling of Contact and Cracks (1 and 2) on the ECCOMAS–Conference in Paris.
- 1996 September 5, jointly with M. Kleiber (Warsaw): minisymposium “Computational Nonlinear Mechanics” on the STAMM ’96 conference in Warsaw, Poland.
- 1996 July 16: “Minisymposium on Boundary Element Methods” on the Conference on Numerical and Computational Mechanics in Science and Engineering in Miskolc, Hungary.
- 1996¹ February 16–May 11: Research Scholar at the University of Delaware in Newark, Delaware, USA.
- 1995 October 2–4, jointly with H. Schulz and M.–A. Sändig: organisation of the final colloquium of the DFG–Priority Research Programme “Boundary Element Methods” at the Universität Stuttgart.
- 1995 August 14–20, jointly with Y. Kuznetsov (Moscow): organization of the German–Russian Seminar “Numerical Methods and Applications” (DFG) in Moscow.
- 1995 July 4, jointly with W. Hackbusch and E.P. Stephan: Minisymposium “Boundary Elements Methods: Mathematical Foundations” on the ICIAM conference in Hamburg.
- 1995 May 28–June 2, jointly with L. Morino (Rome): organization of the IABEM–Symposium on “Boundary Integral Methods for Nonlinear Problems” in Siena, Italy.
- 1995 April 12–13, jointly with M. Bach and M.–A. Sändig: DFG–Workshop “Bruch– und Interfaceprobleme” at the Universität Stuttgart.
- 1995¹ February 18–March 9: Research Scholar at the University of Delaware in Newark, Delaware, USA.
- 1994 September 27–October 1, jointly with M.–A. Sändig and H. Schulz: organization of the Sixth Colloquium of the DFG–Priority Research Programme “Boundary Element Methods” in Schmallingenberg.
- 1994 October 2–8, jointly with E.P. Stephan (Hannover): organization of the Oberwolfach Conference “Boundary Element Methods: Applications and Error Analysis”.
- 1994¹ May 23 - July 2, research scholar at the University of Delaware, Newark, Delaware, U.S.A.

- 1993 October 3 -6, jointly with M.A. Sändig and H. Schulz, organization of the Fifth Colloquium of the DFG–Priority Research Programme “Boundary Element Methods” at the Catholic Academy in Schwerte.
- 1993 April 18 -24, jointly with C.S. Morawetz (New York) and J. Nečas (Prague), organization of the Oberwolfach conference “Mathematical Foundation and Numerical Methods for Transonic Flows”.
- 1992 October 5 -7, jointly with K. Kalik and H. Schulz, organization of the Fourth Colloquium of the DFG–Priority Research Programme “Boundary Element Methods” at Günzburg.
- 1992 August 2 -15, Salem, group leader at the “Ferienakademie der Studienstiftung des Deutschen Volkes”: Summer Seminar on Boundary Element Methods (jointly with G.C. Hsiao).
- 1991 December 12 -13, jointly with A. Pomp and H. Schulz: Organization of the Workshop “Parallel computing and domain decomposition” of the Priority Research Programme “Boundary Element Methods” of the German Research Foundation at the University Stuttgart.
- 1991 November 17 - 23, jointly with J. Whiteman (Uxbridge): Organization of the Oberwolfach conference “Singularities in Continuum Mechanics: Numerical and Constructive Methods for their Treatment”.
- 1991 September 30 - October 5, jointly with K. Kalik and H. Schulz: Organization of the Third Colloquium of the DFG–Priority Research Programme “Boundary Element Methods” at Günzburg.
- 1991 September 2 - 6, jointly with H. Neunzert, E. Schechter, W. Hackbusch, Y. Kuznetsov: Organization of the International Summer Conference “Domain Decomposition” at Lambrecht.
- 1991¹ July 13 - August 30, Guest professor at the University of Delaware in Newark, Delaware, U.S.A.
- 1991 July 8 - 12, member of the programme committee and organization of the minisymposium “Boundary Element Methods” on the Second World Conference on Industrial and Applied Mathematics ICIAM 91 in Washington DC.
- 1991 February 28 - March 2, jointly with U. Langer: Organization of the joint seminar “FEM and BEM: Modern problems in theory and applications” of the universities Stuttgart and Chemnitz at Breitenbrunn.
- 1990¹ March 2 - 30. Guest professor at the School of Mathematics, The University of New South Wales, Sydney, Australia.
- 1990¹ January 17 - 22. Visit of the Universidad de Concepcion in Chile.
- 1989/90² October 1 - 28. February, Guest professor at the University of Delaware in Newark, Delaware, U.S.A. Award of the Fulbright-Commission.

- 1989 August 30 - 2. September, jointly with G. Warnecke, Workshop “Mathematical formulation and numerical analysis in fluid mechanics” in Hirschegg, Austria.
- 1989 June 19 - 20. jointly with H. Kalik: Organization of the colloquium for starting the German Research Foundation Nation-wide activity on “Boundary Element Methods” at the University Stuttgart.
- 1988 December 4 - 10. jointly with G. Hämmerlin and E. Meister, organization of the Oberwolfach conference “Practical Treatment of Integral Equations, Boundary Element Methods and Singular Equations.”
- 1988 May 9 - 13. Principal Lecturer at the NSF-CBMS Regional Conference “Mathematical Foundations of the Boundary Element Method” in Lexington, Kentucky, U.S.A.
- 1988 April 10 - 14. jointly with G.C. Hsiao, organization of the session “Field-boundary element methods : New formulations and mathematical aspects” of the International Conf. Computational Engrg. Sci. in Atlanta, Georgia, U.S.A.
- 1988 February 1. jointly with K. Kirchgässner, Workshop “Numerical Fluid Mechanics”, U. Stuttgart.
- 1987 October 9. jointly with H. Buefler, K. Kirchgässner and P. Werner, Minisymposium on Problems in Solid Mechanics (Mathematical Analysis and Methods), U. Stuttgart.
- 1987 November 12. jointly with K. Kirchgässner, Workshop Numerical Fluid Mechanics, U. Stuttgart.
- 1987¹ August 31. - September 4. jointly with C. Brebbia and G. Kuhn, IXth International Symposium on Boundary Element Methods in Engineering, U. Stuttgart.
- 1987 June 9. - 16. jointly with A. Schatz and V. Thomée DMV-Seminar on “Mathematical Theories of Finite and Boundary Element Methods” in Düsseldorf.
- 1986 September 29. - October 3. jointly with E. Stein coordination of the Advanced School on “Finite element and boundary element techniques from mathematical and engineering point of view” at the International Center for Mechanical Sciences in Udine, Italy.
- 1986 August 15. - September 15. guest of the Academia Sinica in the Peoples Republic of China.
- 1986 June 25. - 27. jointly with P. Grisvard and J. Whiteman, workshop on singularities and constructive methods for their treatment at the Brunel University in Uxbridge, England.
- 1985 November 24. - 30. jointly with R.P. Gilbert and E. Meister, organization of the Oberwolfach conference “Function Theoretic Methods in Partial Differential and Integral Equations”.
- 1985¹ April 8. - May 18. guest of the Centre for Mathematical Analysis, Australian National University, Canberra, ACT Australia.

- 1984/85 6 months academy stipend from “Stiftung Volkswagenwerk”.
- 1984 November 21. - 25. jointly with P. Grisvard and J. Whiteman, organization of the Oberwolfach conference “Singularities and constructive methods for their treatment”.
- 1983 September 26. - 30. jointly with E. Stein, H. Werner, W. Wunderlich, organization of the workshop on “Discretizations in continuum mechanics from engineering and mathematical points of view” in the Physics Centre, Bad Honnef, Germany.
- 1983 September 1. - 14. guest of the Academy of Sciences of the Soviet-Union, Institute for Mathematics, Academy of Sciences of the Tadzik SSR., Dushanbe, UdSSR.
- 1983 May 8. - 15. guest of the Academy of Sciences of the GDR, Institute for Mathematics in East-Berlin.
- 1982 April 26. - 17. jointly with H. Töpfer, G. Bruhn and M. Schneider, Colloquium on the occasion of Prof.Dr.Dr.h.c. W. Haack’s 80th birthday at the “Hahn-Meitner-Institut für Kernforschung” in Berlin-West.
- 1982 March 1. - 13. Guest professor at the Departments for Mathematics and Computer Science at the Chalmers University in Göteborg, Sweden.
- 1981 September 1. - October 17. short period lecturer of the German Academic Exchange Service (DAAD) at the Universidad de Concepcion in Chile.
- 1981² March 1. - 15. guest in the special year on the numerical solution of partial differential equations at the University of Maryland at College Park., U.S.A.
- 1981 March 16. - April 7. and May 4. - June 10. Visiting Professor at the Applied Mathematics Institute, Department of Mathematical Science at the University of Delaware, U.S.A.
- 1980 December 7. - 12. jointly with E. Meister, organization of the Oberwolfach conference “Integral equation methods in engineering sciences”.
- 1979 September 9. - 23., Völs, group leader at the “Ferienakademie der Studienstiftung des Deutschen Volkes”.
- Topics: Fredholm operators and elliptic problems.
- 1977² February 15. - March 26. and August 8. - September 5. Visiting professor at the Institute of Mathematical Sciences, Department of Mathematics at the University of Delaware, Newark, Delaware, USA.
- 1977² April 1. - June 30. Visiting Professor at the Department of Mathematics, Oregon State University, Corvallis, Oregon, USA.
- 1976 September 13. - October 8. Visiting Professor at the Centre de Mathématiques Appliquées, Ecole Polytechnique, Paris-Palaiseau (France).

- 1976 August 22. - September 4., La Villa, group leader at the “Ferienakademie der Studienstiftung des Deutschen Volkes”.
- 1976 April 12. - 15. jointly with E. Meister and N. Weck, organization of the “Conference on function theoretical methods for partial differential equations” at Darmstadt.

Invited addresses (one of the main lectures)

- 1972 Conference on Ordinary and Partial Differential Equations, University of Dundee: On boundary value problems of generalized analytic functions.
- 1976 Komplexe Analysis und Anwendungen auf partielle Differentialgleichungen in Halle: Elliptische Systeme in der Ebene.
- 1977 North British Seminar on Differential Equations: Elliptic systems in the plane and remarks on computational methods for elliptic systems in the plane.
- 1978 Visit of the Czechoslovakian Academy of Sciences, the Charles University and the Technical University of Prague, January 7. - 16.: Lectures:
 1. An integral equation method for the mixed boundary value problem in potential theory.
 2. On finite element methods for plane elliptic problems.
- 1979 7th Conference on Problems and Methods in Mathematical Physics. June 18. - 22. in Karl-Marx-Stadt: Zur Behandlung elliptischer Randwertaufgaben mit Integralgleichungen.
- 1980 Annual meeting of the Society for Applied Mathematics and Mechanics, GAMM, April 8. - 11. in West-Berlin: Funktionentheoretische Methoden bei partiellen Differentialgleichungen, insbesondere elliptischen Systemen in der Ebene.
- 1980 Komplexe Analysis und ihre Anwendung in der Theorie partieller Differentialgleichungen in Halle, September 28. - October 4.: Numerische Methoden bei Randwertproblemen elliptischer Systeme in der Ebene.
- 1981 MAFELAP, Conference on the Mathematics of Finite Elements and Applications at the Brunel University in Uxbridge, England, April 28. - May 1.: On the asymptotic convergence of some boundary element methods.
- 1982 Colloquium on the occasion of the hounourable doctor’s promotion and the 80th birthday of Prof.Dr.Dr.h.c. Wolfgang Haack 26./27. April , FU and HMI Berlin: Partielle Differentialgleichungen.
- 1982 Summer-school of the Internat. Centre for Mech. Science, Udine, Italy in July on Theoretical Acoustics and Numerical Techniques: Boundary element methods and their asymptotic convergence, 4 lectures.

- 1982 11. Hessische Landesversammlung des Dt. Vereins zur Förderung des math. naturw. Unterrichts, September in Darmstadt: Probleme und Ergebnisse bei Randintegralmethoden.
- 1982 Conferentie van Numeriek Wiskundigen, October in Zeist, Holland: Asymptotic convergence for strongly elliptic boundary integral equations.
- 1983 3rd International Congress on Numerical Methods in Engineering, Paris, March 14. - 16.: Asymptotic error analysis for boundary integral equations.
- 1983 8th Conference on Problems and Methods in Mathematical Physics. June 20. - 24. in Karl-Marx-Stadt: Zur asymptotischen Konvergenz von Kollokationsverfahren bei Randintegralmethoden.
- 1983 Summer-school of the Intern. Centre for Mech. Science, Udine, Italy, September, on Boundary Element Methods in Engineering. 4 lectures: Projection methods; strongly elliptic boundary integral equations; asymptotic convergence of Galerkin's BEM and collocation BEM.
- 1983 NATO Advanced Study Inst., Southampton, England, September, on Boundary element techniques in computer aided engineering: On asymptotic error analysis and underlying mathematical principles for boundary element methods.
- 1984 MAFELAP, Conference on the Mathematics of Finite Elements and Applications at the Brunel University in Uxbridge, England: On some mathematical aspects of boundary element methods for elliptic problems.
- 1984 APPLE MATH I of the CSSR, 9.4. - 9.7. in Bratislava: On boundary element methods.
- 1984 The 3rd Symposium on Integral Equations and their Applications, Warsaw, 12.3. - 12.6. : On the asymptotic error analysis of boundary element methods.
- 1985 Applied Mathematics Conference of the Division of Appl. Math. Australian Mathematical Society, Launceston, Tasmania, 2.3. - 2.7.: Asymptotic error analysis for boundary element methods.
- 1985 Dundee Biennial Conference on Numerical Analysis, Dundee, Scotland, U.K., 6.25. - 6.28.: Splines versus trigonometric polynomials - the h-versus the p-version in two-dimensional boundary integral methods.
- 1986 IMA/SIAM Conference on "State of the Art in Numerical Analysis", Birmingham, U.K., 4.14. - 4.18.: Strongly elliptic boundary integral equations.
- 1987 IUTAM Symposium on Advanced Boundary Element Methods in San Antonio, U.S.A., 4.12. - 4.16.: Mathematical properties and asymptotic error estimates for elliptic boundary element methods.
- 1987 Potential Theory, Praha, CSSR, 7.18. - 7.24.: Numerical aspects of problems and methods of potential theory (Boundary potentials and boundary element methods).

- 1987 “Die Bedeutung der von Berlin ausgehenden Mathematik in Vergangenheit und Gegenwart”. Free University Berlin, September 26.-29.: über Randintegralgleichungs- und Randelementmethoden.
- 1988 NSF - CBMS Regional Conference on “Mathematical Foundations of the Boundary Element Method”, Lexington, Kentucky, U.S.A., 5.9. - 5.13. : Principal Lecturer with 10 Lectures .
- 1988 9th Intern. Conf. on Problems and Methods in Mathematical Physics, Karl-Marx-Stadt, 6.27. - 7.1.: Qualocation - the new variety of boundary element methods.
- 1988 International Conference on Numerical Methods and Applications, Sofia, Bulgaria, 8.22. - 8.27.: On the classical panel method in flow and heat problems.
- 1988 XII. Summerschool of the Bulgarian Academy of Sci. “Applications of Mathematics in Engineering, Numerical Methods and Applications”, Varna, Bulgaria, 8.28. - 9.4.: On the coupling of finite and boundary elements.
- 1988 Conference “Mathematics” under the auspices of the Week of Culture of the Federal Republic of Germany in Poland, Technical University Warsaw, 10.20.: Über die Kopplung von finiten und Randelementen.
- 1988 “International School on Problems of Use of Computers and Physical Research”, Dubna, USSR, 1.12.: Mathematical foundation and error analysis for boundary element methods.
- 1989 “2nd National Congress on Mechanics”, Hellenic Soc. for Theor. and Appl. Mechanics, Athens, 6.29. - 7.1.: A boundary element method for three-dimensional singularities of elastic fields. (Jointly with H. Schmitz and K. Volk.)
- 1989 “8th Symposium on Trends in Applications of Mathematics to Mechanics”, ISIMM, Hollabrunn (Austria), 8.13. - 8.16.: On the finite element approximation for transonic flows. (Jointly with H. Berger and G. Warnecke.)
- 1990 Annual meeting of the Society for Applied Mathematics and Mechanics, GAMM, April 9 - 12. in Hannover: Analysis und Numerik von Randelementmethoden.
- 1990 “Symposium of the International Association for Boundary Element Methods”, Rome, Italy, 10.5. - 19. : Variational methods for boundary element methods.
- 1991 International Workshop on Numerical Analysis, USSR Academy of Sciences, Moscow, Russia, 6.17. - 20.: A coupled finite and boundary element method for transonic flows. (Jointly with H. Berger, U. Göhner and G. Warnecke.)

- 1991 Conference on FEM, BEM and PDE for Applications and Industry, Linköping University, Sweden, 12.9. - 12.: Domain decomposition and boundary elements. (Jointly with G.C. Hsiao and B. Khoromskij.)
- 1992 Third International Conference on Numerical Analysis, Russian Academy of Sciences, Moscow, 6.29. - 7.3.: Spectrally equivalent preconditioners for boundary equations in substructuring techniques. (Jointly with B. Khoromskij.)
- 1992 International Congress on Numerical Methods in Engineering and Applied Sciences, Concepcion, Chile, 11.16 -20.: Mathematical and Numerical Methods in the Theory of Sedimentation.
- 1993 MAFELAP 1993, Conference on the Mathematics of Finite Elements and Applications, Brunel University of West London, U.K., 4.27.-30.: Coupling of FEM and BEM for transonic flows. (Jointly with H. Berger and G. Warnecke.)
- 1993 International Conference on Progress in the Theory and Application of the Finite Element Method II, Chalmers University of Technology, Göteborg, Sweden, 8.26.-28.: Boundary element domain decomposition with Glowinski-Wheeler preconditioning. (Jointly with G.C. Hsiao and O. Steinbach.)
- 1993 10th Conference on Problems and Methods in Mathematical Physics (10th TMP), TU Chemnitz-Zwickau, 9.13.-17.: Coupled FEM-BEM computations for transonic flow problems. (Jointly with H. Berger, U. Göhner and G. Warnecke.)
- 1994 International Conference on Applied and Industrial Mathematics, University of Linköping, Sweden, 6.6.-10.: On strongly elliptic boundary integral equations and the computation of higher order Cauchy data.
- 1994 "Theory Institute on Quadrature", Argonne Nat. Lab., Illinois, U.S.A., 22.8.-24.8.: Numerical integration and boundary integral methods.
- 1994 "6th Symposium on Integral Equations and their Applications" at the Politechnika Warszawa in Warsaw, Poland, 12.6.-9.: On parallel solution methods for boundary integral equations.
- 1995 "Eighth International Conference on Domain Decomposition Methods" in Beijing, China, 5.16.-20.: Efficient preconditioners for boundary integral methods and their use in domain decomposition solvers. (Jointly with O. Steinbach.)
- 1995 International conference "Optimization of Finite Element Approximations" in St. Petersburg, Russia, 6.25.-29.: A hybrid coupled finite-boundary element method. (Jointly with G.C. Hsiao and E. Schnack).
- 1996 Special colloquium on the occasion of the retirement of Prof. Dr. Willi Törnig at the Technische Hochschule Darmstadt at 6.12.: Gebietszerlegung und Randelemente.
- 1996 MAFELAP 1996 at the Brunel University in West-London, U.K., 6.24.-28.: "Recent developments in boundary element methods".

- 1996 Numerical Methods and Computational Mechanics in Science and Engineering, University of Miskolc, Hungary, 7.15.–19.: On the extraction technique in boundary integral equations. (Jointly with C. Schwab and H. Schulz).
- 1996 Special colloquium on the occasion of the retirement of Prof. Dr. J. Jaenicke at the Technische Universität Braunschweig, 10.18.: “Über Riemann–Hilbert–Probleme”.
- 1996 Workshop on Potential Theory: 30 years of Seminar on Mathematical Analysis, Charles University, Prague, Čech Rep., 11.29–30: Commutator properties for periodic splines and applications to boundary integral equations.
- 1997 IUTAM/IACM Symposium on Discretization Methods in Structural Mechanics II, Vienna (Austria), 6.2–6: On the computation of derivatives up to the boundary in BEM. (Jointly with H. Schulz and C. Schwab.)
- 1997 “Numerical Modelling in Continuum Mechanics, Theory, Algorithms, Applications” in Prague, Čech Rep., 9.8–11: Mathematical problems in sedimentation. (Jointly with R. Bürger.)
- 1997 “Tricomi’s Ideas and Contemporary Applied Mathematics”, Academia dei Lincei, Rome, Italy, 11.28–29: On boundary integral equations and applications.
- 1998 Special Colloquium on the occasion of the retirement of Prof.dr.ir. P.J. Zandbergen, University Twente in Enschede, Holland, 6.16: Multifield formulations for the transonic flow around an airfoil. (Jointly with C. Coclici.)
- 1998 Internat. IMACS Conference: Mathematical Modelling and Computational Methods in Mechanics and Geodynamics, Modelling 98 in Prague, Czech Rep., 7.7.–11.: A symmetric boundary element method for contact problems with friction. (Jointly with C. Eck and O. Steinbach.)
- 1998 4th Internat. Conference on Numerical Methods and Applications in Sofia, Bulgaria, 8.19.–23.: Domain Decomposition and Boundary Elements. (Jointly with O. Steinbach.)
- 1998 Conference on Numerical Methods and Computational Mechanics at the University of Miskolc, Hungary, 8.24.–27.: On the Propagation of a Plane Three-Dimensional Crack. (Jointly with M. Bach and S.A. Nazarov.)
- 1998 Internat. Conference on “Functional Analysis, Partial Differential Equations and Applications” at the University Rostock, 8.31.–9.4.: On boundary integral equations and applications.
- 1998 Internat. Soros Science Education Program, Workshop “Current Issues of Natural Sciences and Development Perspectives” in Tbilisi, Rep. Georgia: 9.6.-8.: On boundary integral equations and applications.
- 1998 Geodetic Week, University Kaiserslautern, 10.12.–15.: Randelementmethoden und Anwendungen.

- 1998 2nd Internat. Symposium “Problemi Attuali dell’ Analisi e della Fisica Matematica, dedicato alla Memoria di Gaetano Fichera in Taormina (Italy), 10.15.–18.: On the Propagation of a Plane Three–Dimensional Crack. (Jointly with M. Bach and S.A. Nazarov.)
- 1999 Frontiers in Mathematics, Texas A&M University, College Station, U.S.A: Lecture for graduate students: “Stability and convergence of boundary integral equations in variational form.”, 22.02.
Lecture for specialists: “Recovery, extraction and convergence improvement fo boundary element methods”, 24.02.
General colloquium: “On solution methods and applications of boundary integral equations” 25.02.
- 1999 International Conference on Recent Advances in Analytical and Numerical Treatment of Operator Equations, in memory of Siegfried Prößdorf, Klaffenbach, Chemnitz, 25.03.–28.03.: “Splines, finite elements and integral equations.”
- 1999 Keynote Lecture, IUTAM/ICIAM/IABM–Symposium on Advanced Mathematical and Computational Mechanics Aspects of the Boundary Element Method, Cracow, Polen, 30.05.–03.06.: “On adaptivity in boundary element methods” (jointly with H. Schulz and O. Steinbach).
- 1999 For the retiremant of Prof.Dr. Gerhard Bruhn, Special Colloquium of thte TU Darmstadt, 14.07.: “Partielle Differentialgleichungen und Gasdynamik”.
- 2000 Special Colloquium on the occasion of the 60th birthday of Prof.Dr. Hans Grabmüller, Institute of Applied Mathematics, Friedrich–Alexander University of Erlangen–Nürnberg, 11.01.: Kontaktprobleme und ihre Berechnung mit Randintegralgleichungen.
- 2000 Panel Lecture at the MNU–Conference in Stuttgart, 19.04.: “Mathematik: Glasperlenspiel oder Schlsseltechnologie?”
- 2000 Keynote sectional lecture at the SOLMECH 2000: 33rd Solid Mechanics Conference in Zakopane, Poland, 5.09.: “Error control for boundary element methods”.
- 2000 Panel Lecture at the IMA 2nd Internatinal Conference on Boundary Integral Methods: Theory and Applications, University of Bath, U.K. 16.09.: “Some basic properties of integral operators as pseudodifferential oprators”.
- 2001 Conference “Modelling 2001”, Pilsen, Czech Republic, 25.06.–29.06: “Contact problems treated with boundary element methods” (jointly with M. Bach, C. Eck, H. Schulz and O. Steinbach).
- 2001 Panel Lecture at the EQUADIFF 10, Prague, Czech Republic, 27.08.–31.08: “On nonlinear Riemann–Hilbert problems” (jointly with M.A. Efendiev).

- 2001 International Conference on Nonlinear Operators, Differential Equations and Applications, Cluj–Napoca, Rumniën, 11.09–13.09: “On an adaptive boundary element method for contact problems with friction” (jointly with C. Eck und O. Steinbach).
- 2001 International School and Workshop on Scientific Background and Practical Tools for Ecological Expertise, UNESCO/Georgian Academy of Sciences/Tbilisi State University, Georgia, 27.09: “Mathematical models for the solid–liquid separation of suspensions” (jointly with R. Bürger).
- 2001 Keynote lecture at the “67. Mitgliederversammlung der Freunde der Universitt Stuttgart”, 05.11: “Randintegralgleichungen — Mathematik zwischen Klassik und Moderne” .
- 2002 Plenary Lecture auf der Euro–Conference on “Numerical Methods and Computational Mechanics”, Univ. Miskolc, Hungary 15.07.: “A residual–based error estimator for BEM–discretizations of contact problems” (jointly with C. Eck).
- 2002 Rees distinguished Lecture, Dept. of Mathematical Sciences, Univ. of Delaware, Newark, Delaware, U.S.A. 20.09.: “Boundary integral equations — A topic between classical and modern mathematics”.
- 2003 International Colloquium in Memory of Jindrich Nečas, Charles–University Prague, 28.–30.03.: “On the mathematical modelling of self–field MPD thrusters” (jointly with C.A. Coclici, J. Heiermann, Gh. Moroşanu).
- 2003 Plenary lecture at the International Conference on Computer Methods in Mechanics, CMM, Gliwice/Wisla, Poland, 03.–06.06.: “Fast boundary elements and solid mechanics” (jointly with G. Of and O. Steinbach).
- 2003 Keynote Lecture at the International Conference on Nonlinear Partial Differential Equations in Alushta, Ukrain 19.09.: “The mathematical modelling of self–field MPD thrusters” (jointlywith C.A: Coclici, J. Heiermann, Gh. Moroşanu).
- 2003 Keynote Lecture at the International Conference “Potential Theory: Applications in Solid Mechanics and Acoustics and Electromagnetic Scattering Theory” in Tbilisi, Georgia 26.10.: “Fast boundary elements and solid mechanics” (jointly with G. Of and O. Steinbach).
- 2004 Keynote Lecture at the “International Conference on Nonlinear Operators, Differential Equations and Applications”, ICNODEA 2004, 24.–27.8.: “On the degree of quasiruled Fredholm maps and nonlinear Riemann–Hilbert problems” (jointly with M.A. Efendiev) at the Babeş–Bolyai University, Cluj–Napoca, Romania.
- 2004 Panel Lecture at the IMA Third International Conference “Boundary Integral Methods, Theory and Applications”: On J. Randon’s method with double layer potentials, 14.–18.9., University of Reading, Reading, U.K.

- 2005 Keynote Lecture, 16th International Conference Computer Methods in Mechanics: Fast boundary element methods for the simulation of electric eddy current fields, their heat product and cooling, 21.–24.6., Czestochowa, Poland.
- 2005 Plenary Lecture, OTFUSA 2005, Conference on Operator Theory, Function Spaces and Applications: “On nonlinear Riemann–Hilbert problems with discontinuous coefficients”, 7.–9.7., Aveiro, Portugal.
- 2005 Plenary Lecture, International Conference on Theory and Applications of Mathematics and Informatics 2005: “Efficient boundary element methods and applications”, 15.–18.9., Albac–Alba, Romania.
- 2006 Four lectures on Boundary Element Methods within the SOKRATES Program at the Charles University in Prague, Czech Republic. 16.–24.6. Lectures:
1. Boundary integral equations and variational problems
 2. Finite elements on the boundary
 3. Efficient solution algorithms
 4. Some industrial applications
- 2007 Plenary Lecture, WONAPDE 2007, Second Chilean Workshop on Numerical Analysis of Partial Differential Equations, 16.–19.1.: “Boundary integral equations and fast boundary element methods”. Universidad de Concepción, Chile.
- 2007 Keynote Lecture ISAAC–Conference, dedicated to the centenary of Ilia Vekua, “Efficient boundary element methods in solid mechanics” with C.G. Hsiao, G. Of, O. Steinbach, 23.–27.4. Tbilisi, Georgia.
- 2007 6 Lectures: “Boundary Integral Equations and Pseudodifferential Operators” at the Nečas Center for Mathematical Modelling, Charles University Prague, 4.11.–30.11.
- 2008 Public Opening Lecture of the Year of Mathematics: “Mathematik: Glasperlenspiel oder Schlüsseltechnologie”. Eröffnungsvortrag der Ringvorlesung des IZKT: Mathematik wagen. Stadtbücherei Stuttgart, 28.1.
- 2009 Plenary lecture: “Boundary integral equations for two–dimensional low Reynolds number flow past a porous body”, Conf. Advances in Boundary Integral Equations and Related Topics, University of Delaware, Newark, Delaware, U.S.A. 9.8.
- 2009 6 Lectures on “Boundary integral equations and pseudodifferential operators” at the “Institut für Numerische Mathematik der TU Graz”, Austria, 5.5.–27.5.
- 2010 Plenary lecture: “On Levi functions”, 36th Intern. Conf. Applications of Maths. in Engrg. and Economics, Sozopol, TU Sofia, Bulgaria, 05.–15.06.
- 2010 Plenary lecture: “On the numerical treatment of minimal energy problem with Newton and with Riesz potentials” (coauthors: G. Of, N. Zorii), Nineth Summer School in Potential Theory, Nyiregyháza, Hungary, 26.–31.07.

- 2010 Plenary lecture: “On Levi functions”, Integral Equations - 2010, Ivan Franco Univ. Lviv, Ukraine, 25.–27.08.
- 2011 Plenary lecture: “On Riesz minimal energy problems”, (coauthors: H. Harbrecht, G. Of, N. Zorii), Conference Integral and Differential Operators and their Applications, University of Aveiro, Portugal, 30.06.
- 2011 Plenary Lecture: “Surface potentials and elliptic boundary value problems”, International Symposium of Geometric Function Theory and Applications. GFTA 2011, Cluj–Napoca, Romania, 08.09.
- 2012 Invited Speaker: “On the Gauss problem with Riesz potential” (coauthors: H. Harbrecht, G. Of, N. Zorii), BEM on the Saar 2012, Univ. Saarland, Saarbrücken, 15.05.
- 2012 Keynote Lecture: “Trigonometric collocation for nonlinear Riemann–Hilbert problems on doubly connected domains”, (Coauthor S. Micula), IFNA 6th World Congress of Nonlinear Analysis, Athen, Greece, 28.06.
- 2012 Invited speaker: “On the minimum Gauss energy problem with Riesz potential”, (Coauthors: H. Harbrecht, N. Zorii). Intern. Conf. 120th anniversary of Stefan Banach, Lviv, Ukraine, 17.–21.9.
- 2012 Invited speaker: “Elliptic potentials and boundary value problems”. The 13th Intern. Conf. of Mathematics and its Applications, ICMA 2012, Timișoara, Romania, 1.–3-11.
- 2012 Radon Colloquium: “Elliptic potentials and boundary value problems”. Johannes Radon Inst. Comp. Appl. Mathematics. Joh. Kepler University, Linz Austria, 16.11.
- 2013 Invited speaker: “On Costabel’s version of the trace theorem”. Intern. Conf. “Journée Singulières Augmentée 2013 en l’honneur de Martin Costabel 65”, Université de Rennes, France, 26.–30.8.
- 2013 Invited speaker: “Potential methods for Stokes– and semilinear Brinkman systems on Lipschitz domains” (Coauthors: M. Kohr, M. Lanza de Cristoforis). Intern. Conf. on Finite Elements in Science and Technology. Prague, Czech. Rep. 20–22.6.
- 2013 Keynote lecture: “Potential methods for Stokes– and semilinear Brinkman systems on Lipschitz domains” (Coauthors: M. Kohr, M. Lanra de Cristoforis). 9th UK Conf. on Boundary Integral Methods, UKBIM9, Aberdeen, Scotland, 8.–9.07.
- 2013 Invitation of the Department for Mathematics, Indian Institute of Technology, Kharakpur, India, 7.10.–2.11.
- Lectures:
 “On Riesz minimal energy problems on $C^{k-1,1}$ -manifolds” (Coauthors: H. Harbrecht, G. Of, N. Zorii), 22.10.
 “On ideal flows”, Graduate student’s seminar, 25.10.
 “Potential methods for Stokes and Brinkman systems on Lipschitz domains” (Coauthors: M.Kohr, M. Lanza de Cristoforis). Seminar of the Math. Dept., 28.10.

- 2013 4th B.R. Seth Memorial Lecture: “Surface potentials and elliptic boundary value problems”, 31.10.
- 2013 Eduard Čech Lecture: “On Riesz minimal energy problems on $C^{k-1,1}$ -manifolds”, Institute of Mathematics of the Academy of Science of the Czech Rep., Prague, Czech Rep. 13.12.
- 2013 Invited speaker: “Potential methods for Stokes and Brinkman systems on Lipschitz domains.” Symp. Analysis of Partial Differential Equations in honour of Professor Vladimir Mazya, Univ. Liverpool, U.K. 16.–17.12.
- 2014 Invited speaker: “Trigonometric collocation for nonlinear Riemann–Hilbert problems”. (Coauthor: S. Micula). Conf. on Nonlinear Phenomena in Biology, Physics and Mechanics in honour of Professor Messoud Efendiev. Helmholtz Zentrum Munich, Neuherberg, Germany 3.–7.3.
- 2014 Keynote lecture: “Boundary potentials and elliptic boundary value problems”. IMSE 2014, The 13th Intern. Conf. Integral Methods in Science Engrg. KIT, Karlsruhe , Germany 21–25.7.
- 2015 One of the birthday colloquium lectures for E. Wegert: ”Nichtlineare Riemann–Hilbert–Probleme für verallgemeinerte analytische Funktionen”, Faculty of Mathematics and Computer–Science, TU Bergakademie Freiberg, Germany, 27.3.
- 2015 The 2nd Chongqing Workshop on Computational and Applied Mathematics in honor of Prof. George Hsiao, Prof. Jean–Claude Nédélec and Prof. Wolfgang L. Wendland: ”On Riesz minimal energy problems on $C^{k-1,1}$ -manifolds” (Coauthors: H. Harbrecht, G. Of, N. Zorii) Chongqing University, Chongqing, China, 16.08.
- 2016 July 4. ”On potential methods for porous media flows”. Key note lecture. 9th Workshop Anal. Advanced Numer. Methods Part. Diff. Eqns. Strobl, Austria.
- 2017 May 30. ”Some remarks about the Maxwell equations”. BEM on the Saar 2017. Univ. Saarbrücken, Germany.
- 2017 September 28 ”Elliptic potentials and boundary value problems.” Plenary lecture. Ukrainian Conference on Applied Mathematics. Lviv, Ukraine.
- 2018 June 18, ”Minimal Riesz energy problems in Sobolev spaces”. Conf. in honour of Ian Sloan on the occasion of his 80th birthday. UNSW Sydney, Australia.
- 2018 September 6.–9. ”On Neumann’s method and double layer potentials”. Plenary lecture. Intern. Conf. Numer. Analysis Appl. Theory- Cluj–Napoca, Romania.

Other invited addresses:

- 1970 Conference on Ordinary and Partial Differential Equations. University of Dundee: A note on the similarity principle.
- 1973 Colloquium on Mathematical Analysis in Jyväskylä, Finland: Elliptic systems in the plane.
- 1974 Conference on Constructive and Computational Methods in Differential and Integral Equations, Indiana University, Bloomington, Indiana, U.S.A.: An integral equation method for generalized analytic functions.
- 1976 Conference on Ordinary and Partial Differential Equations. University of Dundee: Remarks to Galerkin and least squares methods with finite elements for general elliptic problems.
- 1977 Symposium "Einbettung". Kepler Universität Linz/Austria: Über eine Klasse semilinearer elliptischer Systeme.
- 1978 Stefan Banach Center, Polish Academy of Sciences Warsaw, two weeks. Lectures:
1. On the integral equation method for plane mixed boundary value problems.
2. On the Vekua integral operator for a class of first order elliptic systems and some applications.
- 1979 The 2nd Symposium on Integral Equations and their Applications, Politechnika Warszawa - Instytut Matematyki:
Lecture: On Nitsche's trick for integral equations.
- 1980 Second International Seminar on Recent Advances in Boundary Element Methods, March 1980 in Southampton: The synthesis of the collocation and the Galerkin method applied to some integral equations of the first kind.
- 1980 Second Intern. Symp. on Innovative Numerical Analysis in Applied Engineering Science, June 16. - 20., 1980 at the Ecole Polytechnique, Montreal - Quebec - Canada: A boundary integral method for mixed boundary value problems.
- 1980 Symposium on Finite Element Methods for Nonlinear and Singular Problems, Durham University, United Kingdom, June 28. - July 6., 1980: Mixed boundary value problems and finite elements for corresponding boundary integral equations.
- 1981 Fourth IMACS International Symposium on Computer Methods for Partial Differential Equations, June 30. - July 2., Lehigh University Bethlehem, Pennsylvania, U.S.A.: The boundary integral method for a plane mixed boundary value problem.
- 1981 Third International Seminar on Recent Advances in Boundary Element Methods, July 7. - 9. in Irvine, California, U.S.A.: On the asymptotic convergence of boundary integral methods.
- 1981 The Chechoslovak Conference on Differential Equations and Their Applications. Equadiff. 5. August 24. - 28., 1981, in Bratislava, CSSR: On boundary element methods for solving elliptic boundary value problems.

- 1982 Summer-school “Theoretical Acoustics and Numerical Techniques” of the International Center for Mechanical Sciences, Udine, Italy, July 12. - 16. Four lectures on numerical techniques for solving integral equations.
- 1982 Durham Symposium on the Numerical Treatment of Integral Equations, England: On applications and the convergence of boundary integral methods.
- 1982 Fourth Seminar on “Boundary Element Methods in Engineering”, Southampton, England: Collocation versus Galerkin procedures for boundary integral methods.
- 1982 Conference “Aktuelle Probleme und Entwicklungstendenzen der Mathematik”, Teubner-Verlag Leipzig, Reinhardtsbrunn, DDR:
Zur Randintegralmethode für das erste Fundamentalproblem der ebenen Elastizitätstheorie auf Polygonegebieten.
- 1983 5th Intern. Conf. on Boundary Elements, Hiroshima, Japan:
On pointwise error bounds for boundary element methods.
- 1984 1st Intern. Conf. on Numerical Methods and Applications, Sofia, Bulgaria: On the numerical analysis of boundary element methods.
- 1984 Stefan Banach Center, Polish Academy of Sciences Warsaw, semester on partial differential equations, 11.28. - 12.6.
Lecture: On boundary element methods (jointly with M. Costabel).
- 1985 Third Australian Mathematics Convention, Univ. N.S.W. Sydney, 5.13. - 5.17.
Lecture: Strong ellipticity of boundary integral methods (jointly with M. Costabel).
- 1986 Fourth International Symposium on Numerical Methods in Engineering Georgia Inst. Technology, Atlanta, GA., U.S.A. 3.24. - 3.28.
Lecture: Asymptotic error estimates for the combined boundary and finite element method.
- 1986 International Symposium on Inverse and Ill-Posed Problems, Lake St. Wolfgang, Austria, 9.6. - 9.12.
Lecture: On the low frequency asymptotics of two-dimensional fundamental problems in dynamic elasticity (jointly with G.C. Hsiao).
- 1987 Seminar on Panel Methods in Mechanics, Univ. Kiel, 1.16.-1.18.
Lecture: Some examples concerning the applicability of the Fredholm-Radon method in potential theory (jointly with J. Kral).
- 1987 MAFELAP VI at the Brunel University, Uxbridge.
Lecture: A boundary element method for three-dimensional elastic fields near reentrant corners (jointly with H. Bumb and H. Schmitz).
- 1987 Seventh Symposium on Trends in Applications of Mathematics to Mechanics, ISIMM, Wassenaar (Holland), 12.7.-12.11. Lecture: Pseudo-differential and boundary integral operators in mechanics.
- 1988 Workshop of the European Scientific Cooperation Project “Mathematical Problems in Nonlinear Mechanics”, Nice (France), 3.30 - 4.1. Lecture : Transonic flows.

- 1988 Days of Science and Engineering, Wismar, 9.6. - 9.7.: Asymptotische Konvergenz von Randintegralmethoden.
- 1988 10th International Convergence on Boundary Element Methods in Engineering, Southampton 8.9.: Mathematical principles, accuracy and asymptotic convergence of boundary element methods.
- 1988 GAMM - Workshop "Numerical Treatment of Problems in Solid Mechanics", Bad Honnef 9.19. - 9.23.: Boundary element - Qualocation.
- 1988 GE-TH Seminar "Mathematics and Engineering Science", Duisburg 10.3. - 10.6.: Boundary elements methods, mathematical foundation and analysis.
- 1988 Oberwolfach Symposium "Practical Treatment of Integral Equations, Boundary Element Methods and Singular Equations", 12.4. - 12.10.: On pointwise estimates for the trigonometric approximation of boundary integral equations.
- 1989 IUTAM/IACM Symposium "Discretization Methods of Structural Mechanics", Vienna, 6.5. - 6.9.: On the coupling of finite elements and boundary elements.
- 1989 Oberwolfach-Conference "Free Boundary Value Problems, in particular Numerical Treatment and Optimal Control", 7.9. - 7.15.: On transonic flows around profiles.
- 1989 SIAM Annual Meeting, Minisymposium "Nonlinear Problems in Partial Differential Equations", San Diego, U.S.A., 7.17. - 7.21.: On a finite element-boundary element method for transonic potential flow around profiles (jointly with H. Berger and G. Warnecke).
- 1989 EQUADIFF 7, "Czechoslovak Conf. on Differential Equations and their Applications", Prague, 8.21. - 8.25.: On the coupling of finite elements and boundary elements in transonic flow computations (jointly with H. Berger and G. Warnecke).
- 1990 "Fourth Intern. Symp. on Domain Decomposition Methods", Moscow 5.21. - 5.28.: Domain decomposition in boundary element methods (jointly with G.C. Hsiao).
- 1990 "Numerical Methods in Applied Science and Industry", Torino, Italy, 6.18. - 21: On the analysis of boundary element methods.
- 1990 "Mathematical Modelling in Continuous Mechanics". Prague, 8.20. - 25.: On adaptive finite element methods for transonic flow computations.
- 1990 "Congress of the GDR Association of Mathematicians", Dresden, 9.10. - 14.: Foundations of boundary element analysis.
- 1991 Minisymposium "Development of Navier-Stokes Simulation Methods" at the ICIAM 2, Washington DC, 7.8. - 12.: On far field boundary conditions and coupling with boundary integral equations (jointly with T. Sonar and G. Warnecke).
- 1991 "First U.S. National Congress of Computational Mechanics", Chicago, 7.21. - 24.: On the numerical integration of singular integrals (jointly with C. Schwab).

- 1992 GAMM–GACM–Seminar “Adaptive Methods for Finite Domain and Boundary Elements”. Hannover, 3.5. - 6.: Adaptivity in boundary elements (jointly with H. Schulz).
- 1992 “Conference on Elliptic Boundary Value Problems”. Rostock/Wustrow, 3.16. - 20.: A fully–discrete trigonometric collocation method (jointly with W. McLean and S. Pröbldorf).
- 1992 “Intern. Symp. Operator Equations and Numerical Analysis”. IAAS, Gosen, Berlin, 9.28.–10.3.: Substructuring for boundary integral equations.
- 1993 Oberwolfach–Conference Asymptotics and Adaptivity in Computational Mechanics, Oberwolfach, 1.31.–2.6.: Adaptive Finite Element Methods for Transonic Flows (jointly with U. Göhner and G. Warnecke).
- 1993 Joint Computational Mathematics and Applications Seminar, Oxford University, 2.25.: Steklov–Poincaré and boundary integral operators.
- 1993 DFG–Workshop Parallel Algorithms on MIMD–Parallel Computers, University Hannover, 4.5.–7.: Zum Glowinski–Wheeler Vorkonditionierer bei BEM–Gebietszerlegungsmethoden.
- 1993 Conference on Boundary Value Problems and Integral Equations in Non-smooth Domains, Luminy, Marseille, France, 5.3.–6.: The behaviour of elastic fields and boundary integral Mellin equations near conical points.
- 1993 International Conference on Mathematical Physics and Structural Engineering, Elba, Italy, 6.3.–10.: Mathematical and numerical aspects of sedimentation problems.
- 1993 IABEM ’93, International Symposium on Boundary Element Methods, TU Braunschweig, 8.16.–19.: On the evaluation of boundary potentials on and near the boundary (jointly with C. Schwab).
- 1994 Scientific Computing in Theoretical Physics, Berlin, 3.16.–18.: Extraction methods for boundary integral equations — a combination of computer algebra and numerical methods (jointly with C. Schwab).
- 1994 Oberwolfach–Conference on “Boundary Element Methods”, 10.2–8.: On the extraction technique in boundary integral equations. (Jointly with C. Schwab).
- 1994 Oberwolfach–Conference on “Mathematical Aspects of Computational Fluid Dynamics”, 11.20.–25.: The treatment of the Kutta–Joukowski condition and shocks by transonic finite element–boundary element analysis. (Jointly with C. Coclici).
- 1995 DFG–Workshop on Crack– and Interfaceproblems, Stuttgart, 4.12.–13.: The behaviour of elastic fields and boundary integral Mellin techniques near conical points. (Jointly with V. Kozlov und H. Goldberg).
- 1995 IABEM–Symposium Boundary Integral Methods for Nonlinear Problems, Siena, 5.28.–6.2.: Boundary integral formulation of contact problems. (Jointly with C. Eck).
- 1995 Minisymposium Theory of Discretization Methods, ICIAM ’95 in Hamburg, 7.3.: On Galerkin methods.

- 1995 ICES '95 in Hawaii, U.S.A., 7.30.–8.3.: On hybrid coupled FEM–BEM stress analyses. (Jointly with G.C. Hsiao und E. Schnack).
- 1995 The 4th International Conference on Advanced Numerical Analysis in Moscow, Russia, 8.15.–18.: A hybrid coupled finite–boundary element method. (Jointly with G.C. Hsiao und E. Schnack).
- 1995 Recent Approximation Theory Results in the Numerical Solution of Differential and Integral Equations, Politecnico di Torino at Cortona, Italy, 9.24.–29.:
 1. Efficient preconditioners for boundary element methods and their use in domain decomposition solvers (jointly with O. Steinbach).
 2. Macro and mortar skeleton element techniques.
- 1996 12th GAMM Seminar in Kiel on Boundary Elements: Implementation and Analysis of Advanced Algorithms, 1.19.–21.: An extraction technique for boundary integral methods. (Jointly with C. Schwab und H. Schulz).
- 1996 University of Delaware, Mathematical Science Department, Faculty/Graduate Student Colloquium, Newark, Del., U.S.A., 2.6.: On Poincaré–Steklov operators and domain decomposition.
- 1996 Conference on Analysis, Numerics and Applications of Differential and Integral Equations at Stuttgart, 10.9.–11.: On mixed methods involving boundary elements.
- 1997 Oberwolfach Conference on “Mathematical Aspects of Computational Fluid Dynamics”, 1.26.–2.1: Domain Decomposition and Farfield Boundary Conditions for Two–Dimensional Compressible Viscous Flows (Jointly with C. Coclici and I. Sofronov).
- 1997 Oberwolfach Conference on “Adaptive Methods for Partial Differential Equations”, 2.16.–22: On Localized Error Estimates and Adaptivity for Boundary Integral Equations (jointly with H. Schulz).
- 1997 Mathematical Colloquium at the Department of Mathematics, University of Tasmania in Hobart, 3.6: On Localized Error Indicators and Adaptivity for Boundary Integral Equations (jointly with H. Schulz).
- 1997 The University of New South Wales, Australia, School of Mathematics, Applied Mathematics Seminar, 3.12: On Localized Error Indicators and Adaptivity for Boundary Integral Equations (jointly with H. Schulz).
- 1997 The University of New South Wales, Australia, School of Mathematics, Numerical Analysis Seminar, 3.20: Commutator Properties and Qualocation for Variable Coefficient Boundary Integral Operators.
- 1997 GAMM Conference, Regensburg (Germany), 3.24–27: On Mixed Methods Involving Boundary Elements.
- 1997 Johannes Kepler Symposium for Mathematics of the Austrian Mathematical Society, Linz (Austria), 5.30: Über die Extraktionstechnik und die Berechnung von Ableitungen mit Randintegralgleichungen.

- 1997 AMIF/SFB 404–Workshop “Domain Decomposition and Multifields in Fluid and Solid Mechanics” in Hirschegg, Austria, 11.3–8: On hybrid boundary element methods. (Jointly with G.C. Hsiao und E. Schnack.)
- 1997 ENUMATH 97 in Heidelberg, 9.29: On localized error estimators and adaptivity for boundary integral equations (jointly with H. Schulz).
- 1997 ENUMATH 97 in Heidelberg, 10.2: A general approach to a–posteriori error estimates for strictly monotone and Lipschitz continuous nonlinear operators in the finite element method (jointly with M. Schulz).
- 1997 Augsburger Mathematisches Kolloquium in Augsburg (Germany), 12.9.: Über Randintegralgleichungen und Anwendungen.
- 1998 Mathematics Seminar, University Linköping, Sweden, 1.16: On boundary integral equations and their applications.
- 1998 Mittag–Leffler Seminar Stockholm, Sweden, 1.22.: On qualocation for one–dimensional singular integral equations with variable coefficients.
- 1998 Freie Universität Berlin, Germany, 1.27.: Randintegralgleichungen und ihre Anwendungen.
- 1998 Workshop “Analytical Problems in Continuum Physics in Darmstadt, Germany, 2.12.: On qualocation for singular integral equations with variable coefficients. (Jointly with I. Sloan.)
- 1998 “Some Remarks on Solvability and Error Analysis with Boundary Elements”, 5.5. at the University Babeş Bolyai in Cluj–Napoca; 5.8. at the A.I. Cuza University in Iaşi, Romania.
- 1998 “On Boundary Integral Equations and Applications”, 5.7. at the University Babeş Bolyai in Cluj–Napoca; 5.11. at the A.I. Cuza University in Iaşi, Romania.
- 1998 “On Nonlinear Riemann–Hilbert Problems”, 5.12. at the A.I. Cuza University in Iaşi; and 5.16 at the Ovidius University in Constanţa, Romania.
- 1998 IABEM International Symposium on Boundary Elements Methods, Ecole Polytechnique Paris, France, 5.26.–29.: Extraction, higher order boundary element methods and adaptivity. (Jointly with H. Schulz und C. Schwab.)
- 1998 Mathematical Seminar of the ETH Zürich, Switzerland, 6.3.: On Boundary Integral Equations and Applications.
- 1998 4th Internat. Conference on Numerical Methods and Applications in Sofia, Bulgaria, 8.18.–23.: Mathematical model and viscous splitting approximation for sedimentation–consolidation processes. (Jointly with R. Bürger.)
- 1998 Tbilisi Internat. Centre of Mathematics and Informatics, Workshop 1, I. Vekua Inst. of Applied Mathematics, Rep.Georgia, 9.9.: On hybrid boundary element methods and domain decomposition. (Jointly with G.C. Hsiao, E. Schnack and O. Steinbach.)

- 1998 Internat. Conference on “Applied Mathematics, in Memory of Ralph Kleinman”, University of Delaware at Newark, Del. USA, 11.6.–8.: On Neumann’s method for exterior problems and the Helmholtz equation.
- 1998 Workshop “Dynamics of Granular Materials” at the Weierstrass Institute for Applied Analysis and Stochastics WIAS in Berlin, 12.3.–4.: Phenomenological formulation of the mathematical model of sedimentation of a Suspension. (Jointly with R. Bürger.)
- 1999 “Stability and convergence of boundary integral equations in variational form”, 19.01. at the Center for Computational Mathematics and Applications of The Pennsylvania State University, University Park, U.S.A.
- 1999 “Extraction, higher order boundary element methods and adaptivity” (jointly with H. Schulz und O. Steinbach), 26.01.: Colloquium on Numerical Mathematics, Department of Mathematics, The Pennsylvania State University, University Park, U.S.A.
- 1999 “On the modelling of sedimentation of a suspension” (jointly with R. Bürger), 29.01: Seminar on Applied Mathematics, The Pennsylvania State University, University Park, U.S.A.
- 1999 “On boundary integral equations and applications”, 8.02.: Special Seminar, Department of Mathematical Sciences, University of Delaware, Newark, Delaware, U.S.A.
- 1999 “Recovery, extraction and convergence improvement of boundary integral equations”, 4.03. at the University of Houston, Department of Mathematics, Texas, U.S.A.
- 1999 “Domain decomposition and boundary elements” (jointly with O. Steinbach, G.C. Hsiao and E. Schnack), 5.03. at the “The Finite Element Rodeo”, University of Houston, Texas, U.S.A.
- 1999 “The growth of a plane crack in a three–dimensional body under symmetric loading” (jointly with M. Bach and S. Nazarov), 11.03.: TICAM, University of Austin, Texas, U.S.A.
- 1999 “On boundary integral equations and applications”, 15.3. at the Center for Computational Mechanics, Washington University, St. Louis, Missouri, U.S.A.
- 1999 “On the propagation of a plane three–dimensional crack”, 18.03. at the Colloquium, School of Mathematics, Georgia Institute of Technology, Atlanta, U.S.A.
- 1999 “The rôle of applied mathematics”, 7.04.: Honary promotion, Babeş–Bolyai University, Cluj–Napoca, Romania.
- 1999 “Propagation of a plane three–dimensional crack” (jointly with M. Bach and S. Nazarov), 8.04.: Mathematic Institute of the Babeş–Bolyai University, Cluj–Napoca, Romania.
- 1999 “Model equations for gravitational sedimentation–consolidation processes” (jointly with R. Bürger und F. Concha), 16.04. at the GAMM–Conference at Metz: Minisymposion “Hyperbolic Equations with Source Terms”, France.

- 1999 “Adaptionskriterien für Kontaktprobleme” (jointly with C. Eck and H. Schulz), 7.05.: Workshop “Adaptive Finite Element Methoden”, TU Munich, Germany.
- 1999 “Über adaptive Randelementmethoden” (jointly with H. Schulz and O. Steinbach), 8.06.: Colloquium of the Fachbereichs Mathematik und Informatik, University of Hannover, Germany.
- 1999 “Transmission conditions and domain decomposition for flow problems” (jointly with C. Coclici), 16.06. at the “International Workshop on Theoretical Fluid Dynamics and Related Topics”, Lisboa, Portugal.
- 1999 “Hybrid coupled finite–boundary element methods for elliptic systems of second order” (jointly with G.C. Hsiao and E. Schnack), 10th Conference on the Mathematics of Finite Elements and Applications, 22.06.–25.06., Brunel University, West London, U.K.
- 1999 “Mathematik – Glasperlenspiel oder Schlüsseltechnologie?”, 26.04 at the “14. Tag der Mathematik am Tag der Offenen Tür”, University of Stuttgart, Germany.
- 1999 “Hybrid coupled FE–BE methods for elliptic systems of second order” (jointly with mit G.C. Hsiao and E. Schnack). ENUMATH 99, The 3rd European Conference on Numerical Mathematics and Advanced Applications, 26.07.–30.07., Jyväskylä, Finland.
- 1999 “On boundary element approximations of the Steklov–Poincaré operator”. DFG/ARC German–Australien Workshop on Numerical Analysis of Boundary Integral Methods and Applications, 27.09.–1.10., UNSW Sydney, Australia.
- 1999 “Adaptionskriterien für Kontaktprobleme” (jointly with H. Guediri, W. Tang and H. Schulz), 19.11.: “Arbeitstreffen des DFG–Paketantrags “Adaptive Finite–Element–Verfahren in der angewandten Mechanik”, University of Karlsruhe, Germany.
- 1999 “On boundary integral equations and applications”, 25.11. at the “Fachbereich Mathematik und Informatik”, Free University Berlin, Germany.
- 2000 “Some basic properties of integral operators as pseudodifferential operators” (jointly with G.C. Hsiao), 2.03. at the Oberwolfach–Conference “Sparse Approximation of Nonlocal Operators”, Mathematisches Forschungsinstitut Oberwolfach, Germany.
- 2000 “Adaption criteria for contact problems”. DFG–Workshop “Adaptive Finite Element Methods in Computational Mechanics”, 9.03.–10.03., University of Hannover, Germany.
- 2000 “On nonlinear Riemann–Hilbert problems” (jointly with M.A. Efendiev), 16.03., Colloquium University of Linköping, Sweden.
- 2000 “On nonlinear Riemann–Hilbert problems” (jointly with M.A. Efendiev), 28.03.: Seminar at the Mittag–Leffler Institute, Royal–Swedish Academie of Sciences, Djursholm, Sweden.

- 2000 “On C. Neumann’s method for second order elliptic systems in nonsmooth domains” (jointly with O. Steinbach), 7.04.: GAMM–Conference Göttingen, Germany.
- 2000 “On the propagation of a plane three–dimensional crack” (jointly with M. Bach and S.A. Nazarov), 14.04.: Miniworkshop “Calculation of Corner Singularities in Elasticity”, TU Chemnitz, Germany.
- 2000 “On a high order boundary element method” (jointly with H. Schulz), 1.06: Conference on p and hp Finite Element Methods: Mathematics and Engineering Practice, Washington University St.Louis, U.S.A.
- 2000 “Kontaktprobleme ohne und mit Reibung und Randelemente”, 23.06.: Seminar “Wissenschaftliches Rechnen” at the Free University Berlin, Germany.
- 2000 “Mathematik: Glasperlenspiel oder Schlüsseltechnologie?” Panel lecture 1.07.: “Tag der Offenen Tür zum 15. Tag der Mathematik”, University of Stuttgart, Germany.
- 2000 “On window techniques and extraction in boundary element methods” (jointly with H. Schulz), 5.05.: IABEM 2000 Symposium of the International Association for Boundary Element Methods, University of Brescia, Italy.
- 2000 “Phenomenological foundation, mathematical theory and applications of sedimentation–consolidation processes” (jointly with R. Bürger). Invited lecture 23.08. in the Section “Applied Mathematics for Industrial Flows”, 16th IMACS World Congress 2000, ETH Lausanne, Switzerland.
- 2000 “On high order boundary element methods” (jointly with H. Schulz), 12.10.: ECCOMAS 2000: “European Congress on Computational Methods in Applied Sciences and Engineering”, Barcelona, Spain.
- 2000 “Artificial boundary conditions for compressible Navier–Stokes equations with electromagnetic fields” (jointly with C. Coclici), 12.10.: 2nd European Science Foundation International Conference on Applied Mathematics for Industrial Flow Problems, Il Ciocco, Italy.
- 2000 “Foundation and application of boundary element methods”, 7.12.: Applied Mathematics Center, Instituto Superior Technico, Lisboa, Portugal.
- 2001 “Analysis und numerische Methoden für Erhaltungsgleichungen als kinematische Modelle der Sedimentation polydisperser Suspensionen” (jointly with R. Bürger), 01.02.: Workshop “Analysis und Numerik von Erhaltungsgleichungen”, University of Magdeburg, Germany.
- 2001 “High order boundary element domain decomposition methods” (jointly with H. Schulz und O. Steinbach), 13.02.–15.02., GAMM–Conference Zürich, Switzerland.
- 2001 “Randintegralmethoden im Niederfrequenzbereich”: 02.03.: BMBF–Workshop “Moderne Numerische Methoden zur Lösung der Helmholtz–Gleichung”, University of Stuttgart, Germany.

- 2001 SFB 404, 30.04.: Workshop of the SFBs 382, 404, 438 of the “Spezialforschungsbereich” FO13 and the “Forschungsförderung CAE-SAR”, Herrsching, Germany, 29.04.–01.05.
- 2001 “On high order boundary integral equation methods” (jointly with H. Schulz and O. Steinbach). International Petrovskii Conference “Differential Equations and Related Topics”, Moskau, Russia, 22.05.–27.05.
- 2001 “Mathematical models for the solid–liquid separation of suspensions (jointly with R. Bürger): “Continuum Mechanics and Thermodynamics Conference”, Potsdam, Germany, 30.07.–03.08.
- 2001 “On nonlinear Riemann–Hilbert problems” (jointly with M.A. Efendiev): Conference “Nonlinear Partial Differential Equations”, Ukrainian Congress of Mathematics, Kiev, Ukraine, 21.–24.08.
- 2001 “On the dual singular functions for a crack in a 3D isotropic elastic medium” (jointly with R. Duduchava and S.A. Nazarov). Intern. Conference on Structured Media. Polish–German Acad. Center, Poznan, Poland, 16.–21.9.
- 2001 “High order domain decomposition methods” (jointly with H. Schulz and O. Steinbach): Workshop on Mathematical Models for Elastic Cusped Plates and Bars, Tbilisi International Center of Mathematics and Informatics, Georgia, 25.09.
- 2001 “Contact problems treated with boundary element methods” (jointly with M. Bach, C. Eck, H. Schulz and O. Steinbach): Workshop on Mathematical Models for Elastic Cusped Plates and Bars, Tbilisi International Center of Mathematics and Informatics, Georgia, 26.09.
- 2001 “Model equations and instability regions for the sedimentation of poly-disperse suspensions of spheres” (jointly with R. Bürger, K.H. Karlsen and E.M. Tory) at the “United Engineering Foundation Conference on Solid–Liquid Separation Systems III”, Davos, Switzerland, 03.10.–05.10.
- 2001 “Über nichtlineare Riemann–Hilbert–Probleme” (jointly with M.A. Efendiev): Workshop “Applied Mathematics”, University of Stuttgart, Germany, 12.10.–13.10.
- 2001 “On C. Neumann’s method for second order elliptic systems in domains with nonsmooth boundaries” (jointly with O. Steinbach): “Workshop on Modern Aspects of Boundary Element Methods”, University of Stuttgart, Germany, 15.10.–16.10.
- 2001 “On the dual–singular functions for a crack in a 3D isotropic elastic medium” (jointly with R. Duduchava and S. Nazarov). Workshop on “The treatment of Corners and Layered Structures”, Institute for Solid Mechanics, University of Karlsruhe, Germany, 18.12.
- 2001 “On the degree of quasiruled Fredholm maps and nonlinear Riemann–Hilbert problems”: International Conference Analysis, FU Berlin, Germany, 20.12.

- 2002 “A residual-based error estimator for BEM-discretizations of contact problems” (jointly with C. Eck): International Seminar “Nonlinear Problems and Diffusion Equations”, SFB 551 Inst. Solid Mechanics, University of Karlsruhe, Germany, 08.02.
- 2002 “On C. Neumann’s method for second order elliptic systems in domains with non-smooth boundaries” (jointly with O. Steinbach): Joint Colloquium of the Mathematical Physics and Numerical Mathematics Institute, Univ. North Carolina at Charlotte, U.S.A., 27.02.
- 2002 “A residual-based error estimator for BEM-discretizations of contact problems” (jointly with C. Eck), 28.02.: Colloquium Numerical Analysis, Duke University, Durham, N.C., U.S.A..
- 2002 “A residual-based error estimator for BEM-discretizations of contact problems” (jointly with C. Eck), 14.03.: Special Applied Mathematics Seminar, Univ. of Delaware, Newark, Del., U.S.A.
- 2002 “A residual-based error estimator for BEM-discretizations of contact problems” (jointly with C. Eck), 28.03.: GAMM-Conference, Augsburg, Germany.
- 2002 “Coupled viscous/inviscid compressible flows and singular perturbations” (jointly with C. Coclici and Gh. Moroşanu), 19.04.: Third International ESF-AMIF Conference in Lisboa. Portugal.
- 2002 “A residual-based error estimator for BEM-discretizations of contact problems” (jointly with C. Eck), 29.05.: Heraeus-Seminar “Contact and Fracture Problems”, Physikzentrum Bad Honnef, Germany.
- 2002 “Domain decomposition with boundary elements” (jointly with O. Steinbach): Fifth World Congress on Computational Mechanics in Vienna, Austria, 08.07.
- 2002 “Boundary integral equations — A topic between classical and modern mathematics and simulation techniques in engineering”, 29.08.: Centro Científica Investigación de Yucatán, Merida, Mexico.
- 2002 “Über Kontaktprobleme”, 30.09.: Symposium “Faszination Mechanik”, University of Stuttgart, Germany.
- 2002 “On C. Neumann’s method for second order elliptic systems in domains with non-smooth boundaries” (jointly with O. Steinbach): BMBF-Workshop “Boundary Element Methods – Modern Algorithms and Industrial Applications, Saarbrücken, Germany, 01.10.
- 2002 “Kontaktprobleme mit Randintegralgleichungen” (jointly with Y. Jiang and O. Steinbach): SFB 4004-Statusseminar, Bad Herrenalb, Germany, 10.12.
- 2003 “Wolfgang Haack — A great mathematician, teacher and initiator”, 25.03.: Minisymposium: “Wolfgang Haack: 50 Years of Mathematics and its Applications”, GAMM-Conference 2003, Padua/Abano Terme, Italy.

- 2003 “Boundary variational inequalities in the theory of interface crack problems” (jointly with D. Natroshvili): Workshop “The Numerical Solution of Boundary Integral Equations and Related Problems in Honour of Prof.Dr. E. Meister”, TU Darmstadt, Germany, 17.06.
- 2003 “Efficient domain decomposition with boundary integral equations” (jointly with O. Steinbach): Minisymposium “The Numerical Solution of Boundary Integral Equations and Related Problems”, ICIAM 2003 (International Conference of Industrial and Applied Mathematics), Sydney, Australia, 10.07.
- 2003 “On coerciveness properties of boundary integral operators” (jointly with O. Steinbach): Workshop on Mathematics of Computation and Approximation, UNSW School of Mathematics and ARC-COE-MSCS, Sydney, Australia, 14.07.
- 2003 Lecture for the “Projektbereich C: Grundlegende Methoden” as well as for “Teilprojekt C10: Gebietszerlegungsmethoden”, Berichts- und Begutachtungskolloquium des SFB 404 “Multifield Problems”, University of Stuttgart, Germany, 24.07.
- 2003 “On adaptivity in some boundary element methods”, 09.09.: Heraeus-Seminar: “Adaptivity and Finite Element Analysis: Models, Meshes and Polynomial Order”, Bad Honnef, Germany.
- 2003 “Zur Adaptivitt bei Randelementmethoden”, 17.12.: Workshop: “Analysis und Numerische Methoden für Partielle Differentialgleichungen”, Lauterbach, Germany.
- 2004 “Konvergenz”, Try the University — Mathematics, University of Stuttgart, Germany, 5.3.
- 2004 “On the convergence of collocation methods for some boundary integral equations in 3D”, GAMM-Conference 2004, Dresden, Germany, 25.3.
- 2004 “Radons Konvergenzbeweis der Neumannschen Methodde für Dipolpotentiale”, Colloquium of the Johann-Radon-Institute for Computational and Applied Mathematics, RICAM of the Austrian Academy of Sciences, Johannes-Kepler-University, Linz, Austria, 29.4.
- 2004 “Radons Konvergenzbeweis der Neumannschen Methodde für Dipolpotentiale”, Oberwolfach Conference: Geomathematics, Mathematisches Forschungsinstitut Oberwolfach, Germany, 24.-27.5.
- 2004 On J. Radon’s convergence proof for C. Neumann’s method with double layer potentials, , Oberwolfach Conference: Fast numerical Methods for Nonlocal Operators, Mathematisches Forschungsinstitut Oberwolfach, Germany, 4.-10.7.
- 2004 “Fast boundray element methods and applications”, Special Applied Mathematics Seminar, Mathematical Sciences Department, University of Delaware, Newark, Delaware, U.S.A., 10.8.

- 2004 “Fast boundary element methods and applications” (jointly with O. Steinbach), Minisymposium: Fast Boundary Element Methods, Sixth World Congress of Computational Mechanics, WCCM VI, Beijing, China, 5.–10., 7.10.
- 2004 “Lebensgefährtin Mathematik”, Special Colloquium of the Mathematics and Physics Faculty of the Institute for Applied Analysis and Numerical Simulation as well as of the SFB 404, 22.10.
- 2004 “Über Gårdingsche Ungleichung, schnelle Randelementmethoden und ihre Anwendungen”, Colloquium Mathematical Methods in Engineering, TU Graz, Austria, 16.11.
- 2005 “Über Gårdingsche Ungleichung, schnelle Randelementmethoden und ihre Anwendungen”, Free University Berlin, Germany, 11.2.
- 2005 “On J. Randon’s convergence proof for C. Neumann’s method with double layer potentials”, Babeş–Bolyai University, Cluj–Napoca, Romania, 17.3.
- 2005 “On Gårding’s inequality, efficient boundary element methods and some applications”, Babeş–Bolyai University, Cluj–Napoca, Romania, 7.4.
- 2005 “On nonlinear Riemann–Hilbert problems with discontinuous coefficients”, Babeş–Bolyai University, Cluj–Napoca, Romania, 31.5.
- 2005 “Fast boundary element methods for an eddy current problem”, Babeş–Bolyai University, Cluj–Napoca, Romania, 6.6.
- 2005 “Remarks to a posteriori error estimates for boundary element methods”, 8th US National Congress on Computational Mechanics, Austin, Texas, U.S.A., 28.7.
- 2005 “Fast boundary element methods for the simulation of electric eddy current fields”, Mathematical Sciences Department, University of Delaware, Newark, Delaware, U.S.A., 29.8.
- 2005 “Boundary element methods and efficient applications to problems in electrostatics and solid mechanics”, Humboldt University Berlin, Germany, 5.–10.
- 2005 “Randintegralgleichungen für fast inkompressible Materialien”, Seminar of the IANS, University of Stuttgart, Germany, 17.11.
- 2005 “On the boundary integral equation method for almost incompressible materials”, Seminar: Partial Differential Equations and Numerics, University of Zürich, Switzerland, 8.12.
- 2006 “Boundary integral equation methods for almost incompressible materials”, Seminar on Applied Mathematics, Babeş–Bolyai University, Cluj–Napoca, Romania, 16.2.
- 2006 “The 3–D elastodynamic contact problem for plane cracks”, IUTAM–Symposium Multiscale Problems in Multibody System Contacts, University of Stuttgart, Germany, 20.–23.2.
- 2006 “Fast boundary element method for eddy current heat production”, GAMM–Conference, TU Berlin, Germany, 27.5–31.3.

- 2006 “Fast boundary element methods for the simulation of electric eddy current fields, their heat production and cooling”, MAFELAP 2006 Conference, Brunel University Uxbridge, West-London, U.K., 13.6.–16.6.
- 2006 “Nonlinear Riemann–Hilbert problems for generalized analytic functions”, Banach Centre Conference: Analysis & Partial Differential Equations, Bedlewo, Poland, 18.6.–24.6.
- 2006 “Fast boundary element methods for the simulation of electrical eddy current fields, their heat production and cooling”, 17th International Conference on Domain Decomposition, St. Wolfgang/Strobl, Austria, 3.7.–7.7.
- 2006 “The boundary element method for almost incompressible materials, revisited”, IABEM 2006 Conference, TU Graz, Austria, 10.7.–12.7.
- 2006 “On the history of the Collaborative Research Center Multifield Problems” of the German Research Foundation, International Conference on Multifield Problems, Stuttgart, 4.–6.10.
- 2006 “Efficient boundary element methods and applications” (jointly with G. Of, O. Steinbach), Centre for Research and Applied Mechanics, University of Cape Town, South Africa, 26.10.
- 2006 “Randintegralgleichungen und schnelle Randelementmethoden”, Kolloquium of the FB Mathematik, TU Kaiserslautern, 26.10.
- 2006 “Nonlinear Riemann–Hilbert problems for generalized analytic functions”, Seminar Applied Mathematics, Babeş–Bolyai University, Cluj–Napoca, Romania, 16.11.
- 2007 “Randintegralgleichungen und schnelle Randelementmethoden”, Fakultät für Luft- und Raumfahrttechnik, Universität der Bundeswehr, München, 30.1.
- 2007 “Nichtlineare Riemann–Hilbert Probleme für Vekua Systeme”, GSF Forschungszentrum für Umwelt und Gesundheit, GmbH, Institut für Biomechanik, Neubiberg, 19.2.
- 2007 “Efficient boundary element methods in solid mechanics”, Seminar on Numerical Methods, Faculty for Mathematics, Babeş–Bolyai University, Cluj–Napoca, Romania, 15.3.
- 2007 “Boundary integral equations for a three-dimensional Brinkman flow problem”, Seminar on Differential Equations, Faculty for Mathematics, Babeş–Bolyai University, Cluj–Napoca, Romania, 15.3.
- 2007 “Boundary integral equations for a three-dimensional Brinkman flow problem” (jointly with M. Kohr), International BETA 2007 Conference: Boundary Elements — Theory and Applications, Leibnitz Universität Hannover, 22.–24.5.
- 2007 “Boundary integral equations and boundary element methods” (jointly with G.C. Hsiao, G. Of, O. Steinbach), 17th International Conference on Computer Methods in Mechanics, CMM–2007 in Lodz–Spala, Poland, 19.–22.6.

- 2007 “Nonlinear Riemann–Hilbert problems for Vekua systems” (jointly with M. Efendiev), International Conference on Nonlinear Operators, Differential Equations and Applications, ICNODEA 2007, in Cluj–Napoca, Romania, 4.–6.7.
- 2007 “Boundary integral equations and fast boundary element methods”, Sixth Summer School on Potential Theory and Applications, Sofia, Bulgaria, 6.–12.7.
- 2007 “Boundary integral operators and pseudodifferential operators”, Babeş–Bolyai University, Cluj–Napoca, Romania, 11.12.
- 2008 “Nonlinear Riemann–Hilbert problems for Vekua systems”, Institut für Biomechanik und Biometrie, Helmholtz Zentrum, München, 20.2.
- 2008 “Boundary integral operators and pseudodifferential operators”, GAMM–Tagung, Bremen, 1.4.
- 2008 “Boundary integral operators and pseudodifferential operators” (jointly with G.C. Hsiao), Workshop Analysis of Boundary Element Methods, Mathematisches Forschungsinstitut Oberwolfach, 14.4.
- 2008 “A variational approach for some regular elliptic boundary value problems leading to boundary integral equations”, Taras Shevchenko University Kiev, Ukraine, 6.5.
- 2008 “A variational approach for some regular elliptic boundary value problems leading to boundary integral equations”, Institute for Applied Problems in Mechanics and Mathematics of the National Academy of Sciences of Ukraine jointly with the Faculty for Mechanics and Mathematics of the Ivan Franko University in Lviv (Lemberg), Ukraine, 7.5.
- 2008 “Boundary integral equations and pseudodifferential operators”, Mathematical Institute of the National Academy of Sciences of Ukraine, in Kiev, Ukraine, 14.5.
- 2008 “The Gauss problem” (with G. Of and N. Zorii), 6. Workshop on Fast Boundary Element Methods in Industrial Applications. Söllerhaus, Hirschegg. 3.10.
- 2009 “Nichtlineare Riemann–Hilbert–Probleme für verallgemeinerte analytische Funktionen” (with M. Efendiev) Oberseminar “Angewandte Mathematik”, IANS, Universität Stuttgart, 29.1.
- 2009 “Boundary integral equations for a three–dimensional Stokes–Brinkman cell model” (with M. Kohr and G.P. Raja Sekhar) GAMM 2009 in Gdansk, Poland, 12.2.
- 2009 “Boundary integral equations for a three–dimensional Stokes–Brinkman cell model” (with M. Kohr and G.P. Raja Sekhar) 18th International Conference on Computer Methods in Mechanics. CMM 2009 in Zielova Gora, Poland, 18.5.
- 2009 “The Gauss problem” (with G. Of and N. Zorii), 13th Conference on the Mathematics of Finite Elements and Applications MAFELAP 2009 at the Brunel University, West London, U.K. 9.6.

- 2009 “Stokes expansion for 2D–flow around a porous obstacle (with M. Kohr and G.P. Raja Sekhar) Lehrstuhlseminar Murrhardt, IANS, 5.7.
- 2009 “Professor Dr. Dr.habil. Anna–Margarete Sändig”. Kolloquium Fakultät Mathematik, IANS, Universität Stuttgart, 17.7.
- 2009 “Boundary integral equations for two–dimensional low Reynolds number flow past a porous body” (with M. Kohr and G.P. Raja Sekhar). 12th Romanian–Finnish Seminar; International Conference on Complex Analysis and Related Topics. Turku, Finland, 18.8.
- 2009 “Boundary integral equations for two–dimensional low Reynolds number flow past a porous body” (with M. Kohr and G.P. Raja Sekhar). Workshop on Advances and Trends in Integral Equations, dedicated to the memory of Prof. Siegfried Prössdorf, Klaffenbach, TU Chemnitz, 05.–09.10.
- 2009 “Rigorous estimates for the 2D Oseen–Brinkman transmission problem” (Coauthors M. Kohr and G.P. Raja Sekhar), Colloquium Math. Dept. Babes–Bolyai–Univ. Cluj–Napoca, Romania, 11.11.
- 2009 “Boundary integral equations for two–dimensional low Reynolds number flow past a porous body” (Coauthors M. Kohr and G.P. Raja Sekhar), Conference Nonlinear Partial Differential Equations in memoriam Jindřich Nečas , Prague, Czech Rep., 13.12.–15.12.
- 2010 “On Levi functions”, TU Graz (Austria), 23.02.
- 2010 “On Levi functions”, Doctorial Program, Comp. Math. Joh. Kepler Univ. Linz, Austria, 25.02.
- 2010 “Boundary integral equations for two–dimensional low Reynolds number flow past a porous body” (Coauthors M. Kohr and G.P. Raja Sekhar), GAMM–Tagung, Karlsruhe, 22.–26.03.
- 2010 “Boundary integral equations for two–dimensional low Reynolds number flow past a porous body” (Coauthors M. Kohr and G.P. Raja Sekhar), Workshop on Interfaces in Multiphase Flow, IANS, Universität Stuttgart, 01.–02.
- 2010 “On Levi functions”, IWOTA 2010, TUBerlin, 12.–16.07.
- 2011 “Riesz potentials on manifolds”, SimTech Mini–Workshop “On minimum energy problems”, Universität Stuttgart, 24.01.
- 2011 “Boundary integral equations, Trefftz elements, Levi–functions”, University Reading, Great Britain, 18.02.
- 2011 “Boundary integral equations, Trefftz elements, Levi–functions”, University College, London, Great Britain, 21.02.
- 2011 “Boundary integral equations, domain decomposition, Levi–functions,” Tagung Computational Methods in Multi–dimensional Applications, Max Plack Institut für Mathematik, Leipzig, 09.03.
- 2011 “On Riesz minimal energy problems” (Coauthors H. Harbrecht, G. Of, N. Zorii), Workshop Functional Analysis and Operator Theory, TU Chemnitz, Altenberg, 01.04.

- 2011 “On Riesz minimal energy problems” (Coauthors H. Harbrecht, G. Of, N. Zorii), Workshop Selected Topics of Operator Theory, Lissabon, Portugal, 25.06.
- 2011 “Trigonometric collocation for nonlinear Riemann–Hilbert problems on doubly connected domains” (Coauthor S. Micula), Intern. Conference on Nonlinear Operators, Cluj–Napoca, Romania, 05.07.
- 2011 “A remark on trace and extension operators for $C^{k-1,1}$ -domains”, Institutsseminar IANS, Universität Stuttgart, 14.07.
- 2011 “Surface potentials and elliptic boundary value problems”, Colloquium Dept. Math. Sciences, University of Delaware, Newark, USA, 02.12.
- 2011 “Boundary integral equations, Trefftz elements, Levi functions, Workshop Trifels, Univ. Saarland and Bonn, 16.112.
- 2012 “On Riesz minimal energy problems” (Coauthors H. Harbrecht, G. Of, N. Zorii), GAMM–Tagung Darmstadt, 29.03.
- 2012 “Some aspects of contact simulation”, Intern. SimTech–Syposium Math. Modelling: Contact Mechanics, Phase Transition, Multiscale Problems, Univ. Stuttgart, 24.04.
- 2012 “On the Gauss problem with Riesz potential”(coauthors: H. Harbrecht, G. Of, N. Zorii), Perlen–Kolloquium, Univ. Basel, 03.03.
- 2012 “On the Gauss problem with Riesz potential”(coauthors: H. Harbrecht, G. Of, N. Zorii), Differential Equations and Applications, Intern. Conf. in Honour of Mark Vishik, Russ. Acad. Science and Lomonosov Univ. Moscow, Russia, 06.06.
- 2012 “Minimum energy problems with Riesz potentials” (coauthors: H. Harbrecht, G. Of, N. Zorii), IANS Mini–Workshop, On Minimum Energy Problems, Universität Stuttgart, 18.08.
- 2012 “On the minimum Gauss problem with Riesz potential”(coauthors: H. Harbrecht, G. Of, N. Zorii), Internat. Conf. 120th anniversary of Stefan Banach, Lviv, Ukraine, 19.09.
- 2012 “On the minimum Gauss problem with Riesz potential” (coauthors: H. Harbrecht, G. Of, N. Zorii), 10th Workshop on Fast Boundary Element Methods in Industrial Applied, Söllerhaus, Hirschegg, Austria, 29.9.
- 2012 “Elliptic potentials and boundary value problems.” Inst. Angewandte Analysis u. Numerische Simulation. Univ. Stuttgart, 12.11.
- 2013 “Nonlinear Riemann–Hilbert problems.” The Cologne Conf. on Nonlinear Differential Equations, Cologne, Germany, 25.2.–28.2.
- 2013 “Collocation methods for nonlinear Riemann–Hilbert problems on doubly connected domains.” (Coauthor: S. Micula). GAMM—Conf., Novi Sad, Serbia, 18.–22.3.
- 2013 “Collocation methods for nonlinear Riemann–Hilbert problems on doubly connected domains.” (Coauthors: M. Efendiev, S. Micula), Basel, Switzerland, 19.4.

- 2013 “Potential methods for Stokes– and semilinear Brinkman systems on Lipschitz domains” (Coauthors: M. Kohr, M. Lanza de Cristoforis). 18th ÖMG Congress and Annual DMV–Meeting. Innsbruck, Austria, 23.–29.9.
- 2013 “Potential methods for Stokes– and semilinear Brinkman systems on Lipschitz domains” (Coauthors: M. Kohr, M. Lanza de Cristoforis). Colloquium Math. Inst. TU Graz, Austria, 28.11.
- 2014 “On the coupled Darcy–Stokes flow”. 85th Annual Meeting of the GAMM, Erlangen, Germany, 10.–14.3.
- 2014 “On the coupled Darcy–Stokes flow”. (Coauthors: M. Kohr and Raja Sekhar). Babeş–Bolyai Univ. Cluj–Napoca, Romania, 17.4.
- 2014 “On the coupled Darcy–Stokes flow”. (Coauthors: M. Kohr and Raja Sekhar). Institute’s Colloquium Analysis, Dynamics and Modelling, Univ. Stuttgart, Germany, 5.5.
and Nupus, Univ. Stuttgart, Germany, 6.5.
- 2014 “On the coupled Darcy–Stokes flow”. (Coauthors: M. Kohr and Raja Sekhar). Institutskolloquium Angewandte Analysis, TU Bergakademie Freiberg, Germany 6.6.
- 2014 “On the coupled Darcy–Stokes flow”. (Coauthors: M. Kohr and Raja Sekhar). 12th Workshop on Fast Boundary Element Methods in Industrial Applications. Söllerhaus, Hirschegg, Austria 25.–28.9.
- 2014 “On the coupled Darcy–Stokes flow”. (Coauthors: M. Kohr and Raja Sekhar). 6th Intern. Conf. on Computational Methods in Applied Mathematics CMAM. Strobl, Austria 28.9–4.10.
- 2014 ”Minimal energy problems with hypersingular Riesz potentials”. (Coauthors H. Harbrecht and N. Zorii). Colloquium of the Dept. Mathematik und Informatik, University Basel, Switzerland, 14.11.
- 2015 ”On the n –dimensional Oseen–Brinkman flow around an $(n - 1)$ –dimensional solid obstacle”. (Coauthors M. Kohr, D Medkova). Special session Operator Theory and its Applications. AMS–EMS–SPM Conference in Porto, Portugal, 21.06.
- 2015 ”The Navier problem for the Darcy–Forchheimer–Brinkman system in Lipschitz domains”. (Coauthors: M. Kohr, M. Lanza de Cristoforis), Soellerhaus Workshop Fast BEM, Hirschegg, Austria, 25.10.
- 2015 ”On the Gauss minimal energy problem with Riesz potentials”. (Coauthors H. Harbrecht, G. Of, N.Zorii), Colloquium on Numerical Analysis, Modeling and Differential Equations, (50 years anniversary of the Doctor’s exam). Technical University Berlin, 10.11.
- 2016 April 18. ”On the Gauss minimal energy problem with Riesz potentials.” Kolloquium Fachber. Mathematik, Universität Stuttgart.
- 2016 July 18. ”On potential methods for porous media flows.” Babeş–Bolyai University, Cluj–Napoca, Romania.
- 2016 July 28. ”On the Darcy–Stokes Flow.” 14th Intern. Conf. Integral Methods in Science and Ingrg. IMSE Padova, Italy.

- 2017 March 31. "On potential methods for porous media flows." Annual GAMM meeting 2017, Weimar, Germany.
- 2017 April 13. "Some remarks to the Maxwell equations." Seminar Numer. Analysis, Dept. Math. Sciences, Univ. of Delaware, Newark, DE USA.
- 2017 May 5. "Some remarks about the Maxwell equations," Workshop 75th birthday of Rainer Kress. Univ. Göttingen, Germany.
- 2017 October 5. "Some remarks about the Maxwell equations." 10th workshop on Analysis and Advanced Numerical Methods for Partial Differential Equations for Junior Scientists. AANMPDE, Paleochora, Greece.
- 2017 November 10. "On Neumann's series and double layer potentials". Olaf Steinbach's 50th birthday Colloquium. Institute for Numerical Mathematics. TU Graz.
- 2018 9.2. "Hypersingular Riesz potentials". Univ. Basel 4.2.–10.2.
- 2018 Intern. Conf. on Simulation Technology SimTech, Univ. Stuttgart, 26.3.–28.3.
- 2018 "Minimal energy problems with weakly and strongly singular Riesz kernels". Workshop: On the Frontiers of High Dimensional Computation in "Matrix", Creswick, Australia, 10.6.–15.6.
- 2018 "On Neumann's series and double layer potentials". IMSE Conf.: Integral Methods in Science and Engineering in Brighton U.K. Univ. of Brighton, 16.7.–20.7.
- 2018 Research in Pairs 1837 on "Boundary Integral Equations" with George C. Hsiao (USA), Mathematisches Forschungsinstitut Oberwolfach, Germany, 9.9.–6.10.
- 2018 11th SimTech Status Seminar, Bad Boll, Germany, 12–14.12.
- 2019 19th Annual Meeting of GAMM, Vienna 18.–22.2.
- 2019 "Integral equations for the Darcy–Forchheimer system", Workshop Kinetics & BEM on the Saar, Saarland University, Saarbrücken, Germany 4.6.–7.8.
- 2019 "Potential methods and solution spaces of Stokes and Brinkman problems", (jointly with M. Kohr, (Babes Bolyai Univ. Cluj Napoca), S. Mikhailov (Brunel Univ. London), Raja Sekhar (Univ. Karagpur)), Congress of Romanian Mathematicians, Galati, Romania 28.6.–3.7.
- 2019 Kick-off Event, Cluster of Excellence EXC 2075, Data-Integrated Simulation Science, DFG, Univ. Stuttgart 11.7.
- 2019 "Potential methods and solution spaces of Stokes and Brinkman problems" (jointly with M. Kohr, (Babes Bolyai Univ. Cluj Napoca), S. Mikhailov (Brunel Univ. London), Raja Sekhar (Univ. Karagpur)), IWOTA 2019 in Lisboa, 22.–26.7.
- 2019 Fast boundary element methods in Industrial applications, Söllerhaus Hirscheegg, Austria, 3.–6.10.
- 2019 Workshop on mathematical methods in continuum physics and engineering: Theory, models, simulation. FB Mathematik, TU Darmstadt, 70th birthday of Prof. Albers 6.–7.11.

- 2019 Stuttgarter Physikalisches Kolloquium, 100th birthday of Ekkehardt Kröner, Univ. Stuttgart, 19.11.
- 2019 SimTech Status Seminar, Stuttgart Center for Simulation Science, Excellence EXC 2075, Data-Integrated Simulation Science, Bad Boll, Germany, 11.-13.12.