CURRICULUM VITAE

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Education and Working Experience:

9/14 — 6/15	Sabbatical Stay at UC Santa Cruz and Stanford University
9/12 — 8/14	Dean of Study, Faculty for Physics and Astronomy
11/11 —	Member of the Interdisciplinary Center for Scientific Computing (IWR)
1/10 — 8/10	Sabbatical Stay at Stanford University and UC Santa Cruz
11/07 — 10/12	Managing Director of the Institute for Theoretical Astrophysics
8/08 — 12/13	Deputy Director of the Center of Astronomy at Heidelberg University
4/06 —	Professor (W3) of Theoretical Astrophysics at Heidelberg University
4/04	Appointment as Privatdozent at Potsdam University
3/03 — 1/04	Habilitation at Potsdam University
1/02 — 3/06	Head of the Emmy Noether Research Group in "Theory of Star Formation" at the Astrophysical Institute Potsdam
10/00 — 12/01	Otto Hahn Fellow at Lick Observatory, Santa Cruz, sponsored by the Max Planck Society
9/98 — 8/00	Postdoctoral position at Leiden Observatory, The Netherlands
11/94 — 6/98	Dissertation at the University of Heidelberg. Thesis research at the Max Planck Institute for Astronomy, Heidelberg. Title of thesis: "Fragmentation of Molecular Clouds: The Initial Phases of a Stellar Cluster". (grade magna cum laude)
8/93 — 8/94	Diploma thesis at Max Planck Institute for Astrophysics, Garching. Title: "On the Nature of the Thick Disk of the Milky Way".
8/90 — 9/91	Exchange student at the University of Illinois at Urbana-Champaign.
11/87 — 9/94	Study of General Physics at the Technical University of Munich (diploma in physics: grade 1.3)

Awards and Fellowships:

10/1	13 ERC 2	Advanced Grant STARLIGHT: Formation of the First Stars
4/0	09 Profes	sseur Invité at the Ecole Normale Supérieure in Paris (1 month)
9/0	02 Ludw	ig Biermann Award of the German Astronomical Society
11/0		y Noether Fellowship of the German Science Foundation to build esearch group in theoretical star formation
5/0	00 Fellov	vship of the Ernst Rudolf Schloeßmann Foundation
6/9	99 Otto I	Hahn Medal of the Max Planck Society
8/90 — 9/9	91 Fulbr	ight Fellowship

Research Group at ITA/ZAH:

The main scientific goal of the research group is to understand the formation of stars at present days and in the primordial Universe. Research topics covered are gas dynamics and chemistry in the interstellar medium, formation of stars and stellar clusters, characterization of astrophysical turbulent flows, and the development and optimization of numerical algorithms in computational astrophysics.

Members of the star formation group at ITA/ZAH:

- Christian Baczynski (PhD student, soon postdoc in St. Andrews)
- Carla June Carroll (PhD student)
- Erik Bertram (PhD student)
- André Bubel (master student)
- Frank Bigiel (leader of Emmy Noether junior research group)
- Diane Cormier (postdoctoral researcher in Emmy Noether group)
- Simon C. O. Glover (scientific staff)
- Robin Gopala Treb (visiting Master student)
- Dimitrios Gouliermis (postdoctoral researcher)
- Lionel Haemmerle (postdoctoral researcher)
- Sacha Hony (postdoctoral researcher)
- Juan Ibanez Mejia (PhD student, also at AMNH, New York)
- Ralf S. Klessen (professor)
- Jan-Pieter Paardekooper (postdoctoral researcher)
- Eric Pellegrini (postdoctoral researcher)
- Eric-Claes Rydberg (postdoctoral researcher)
- Anna Schauer (PhD student)
- Rahul Shetty (postdoctoral researcher)
- Daniel Whalen (postdoctoral researcher, soon senior lecturer in Portsmouth)
- Katharina Wollenberg (PhD student)

Former group members:

- Richard Allison (British civil service)
- Gabriel Añorve-Zeferino
- Robi Banerjee (professor in Hamburg)
- Ingo Berentzen (in industry now)
- Clio Bertelli Motta (PhD student at ARI/ZAH)
- Roxana Chira (PhD student at ESO and MPIA)
- Paul C. Clark (senior lecturer in Cardiff)
- Gustavo Dopcke (postdoc Rio de Janeiro)
- Jayanta Dutta
- Christoph Federrath (Mt. Stromlo Fellow at ANU in Canberra)
- Julien Fieger
- Volker Gaibler (postdoc at HITS)
- Philipp Girichidis (postdoc at MPA, Garching)
- Thomas Greif (postdoc at CfA Harvard)
- Tilman Hartwig (PhD student in Paris)
- Susanne Horn (PhD student in Göttingen)
- Viki Joergens (postdoc at MPIA)
- Lukas Konstandin (postdoc in Exeter)
- Spyridon Kitsionas (American school in Athens)
- Hendrik Lönngren
- Florian Mandl
- Milica Micic (postdoc in Belgrade)
- Faviola Molina (researcher in Santiago de Chile)
- Camilo Penaloza (PhD student in Cardiff)
- Thomas Peters (postdoc at MPA)
- Mei Sasaki (working for Yahoo Japan now)
- Dominik Schleicher (professor in Concepcion, Chile)
- Stefan Schmeja (postdoc at ARI/ZAH, Heidelberg)
- Jennifer Schober (postdoc in Stockholm)
- Martin Schrön (PhD student in Göttingen)
- Daniel Seifried (postdoc in Cologne)
- Rowan Smith (RAS fellow in Manchester)
- Sharanya Sur (postdoc Pune, India)
- Laszlo Szűcs (postdoc at MPE, Garching)
- Hsiang-Hsu Wang (postdoc at ASIAA in Taipei)
- Svitlana Zhukovska (postdoc at MPA, Garching)

Student Supervision:

5/15 —	Carla June Carroll: PhD project "First Galaxies and Quasar Feedback" (with D. Whalen)
3/15 —	Robin Gopala Treb: master project (visiting from University of Bologna) "Galactic Fountain Flows in Spiral Galaxies"
10/14 —	Katharina Wollenberg: PhD project "Radiative Feedback in First Star Formation" (with S. Glover and D. Whalen)
9/14 —	Anna Schauer: PhD project "Effects of Feedback in First Galaxy Formation" (with S. Glover and D. Whalen)
12/13 — 6/15	André Bubel: master project "Implementing Supernova Feedback in Global Disk Simulations"
12/13 — 6/15	Erik Bertram: PhD project "ISM Dynamics and Star formation in the Galactic Center" (with S. Glover)
11/12 — 11/13	Camilo Penaloza: master project "Modeling CO Emission from Nearby Clouds"
10/12 — 1/14	Tilman Hartwig: master project "Dynamics of Primordial Collapse – Improving the Sobolev Approximation"
10/12 —	Juan Ibanez Mejia: PhD project "Modeling ISM Dynamics and Star Formation" with MM. Mac Low, New York
9/12 — 12/13	Clio Bertelli Motta: master project "Modeling the Stellar IMF in Starburst Galaxies"
8/12 — 8/13	Roxana Chira: master project "What is the Most Reliable Tracer for Core Collapse in Dense Clusters?"
1/12 — 10/14	Jennifer Schober: PhD project "Magnetic Processes in the Early Universe"
7/11 — 8/12	Erik Bertram: master project "Statistical Characteristics of Interstellar Turbulence"
5/11 — 7/15	Christian Baczynski: PhD project "Numerical Modeling of Chemistry-Coupled Radiative Transfer" (with S. Glover)
5/11 — 10/11	Gabriel Añorve-Zeferino: PhD project (not completed) "Feedback Processes in Star-Forming Clouds"
4/11 — 2/15	Mei Sasaki: PhD project "Statistical Properties of Dark Matter Mini- Haloes and the Criterion for HD Formation in the Early Universe"
10/10 — 11/11	Jennifer Schober: diploma project "Magnetic Field Amplification in the Turbulent ISM"
9/10 — 10/14	Lukas Konstandin: PhD project "Understanding the Statistical Properties of Supersonic Turbulence in Hydrodynamic Simulations"
6/10 — 5/13	Jayanta Dutta: PhD project (not completed!) "Modelling First Star Formation"
4/10 — 3/11	Christian Baczynski: diploma project "Dynamics of Extended HI Disks around Spiral Galaxies"

2/10 — 1/11	Florian Mandl: diploma project "Angular Momentum Transport during Protostellar Collapse" (with R. Banerjee)
9/09 — 7/13	Faviola Molina: PhD project "Star Formation in the Early Universe" (with P. C. Clark and S. C. O. Glover)
6/09 — 5/10	Lukas Konstandin: diploma project "Lagrangian Statistics of Supersonic Flows Using Tracer Particles"
6/09 — 2/13	Gustavo Dopcke: PhD project "Modeling Star Cluster Formation in the Early Universe" (with P. C. Clark and S. C. O. Glover)
10/08 — 2/12	Milica Micic: PhD project "Molecular Cloud Formation with Self-Consistent Thermal and Chemical Treatment of the Gas" (with S. C. O. Glover)
8/08 — 10/09	Julien Fieger: diploma project "Formation and Evolution of Protostellar Disks and Binary Stars in Dense Star Clusters" (with P. C. Clark)
2/08 — 2/09	Susanne Horn: diploma project "Protostellar Outflows and Interstellar Turbulence" (with R. Banerjee)
12/07 — 10/09	Hendrik Lönngren: diploma project "Statistical Characterization of Self-Gravitating Gases"
10/07 — 3/09	Dominik Schleicher: PhD project "Physical Processes in the Early Universe"
3/07 — 5/10	Christoph Federrath: PhD project "Characteristics of Interstellar Turbulence"
10/06 - 9/09	Thomas Greif: PhD project "Formation of the First Galaxies"
10/06 — 12/09	Thomas Peters: PhD project "Effects of Ionizing Feedback in Massive Star Formation"
5/02 — 2/06	Supervision of two dissertation projects at the AIP as part of the Emmy Noether Research Program • Anne-Katharina Jappsen: PhD project "Formation of the First and Second Generation of Stars" • Stefan Schmeja: PhD project "Statistical Characterization of Young Stellar Clusters"
7/02 — 5/05	External Advisor of PhD project at the American Museum of Natural History & Columbia University, New York • Yuexing Li: PhD project "Modeling Star Formation on Galactic Scales"

Past and Current Grants:

Contributions to Large Collaborative Projects:

- DFG: Co-initiator and deputy speaker of the Heidelberg collaborative research project SFB 881 *The Milky Way System*
 - 1.8 million € per year for 4 years, with possibility for extension to up to 12 years
- DFG (German Science Foundation): Co-initiator and deputy speaker of German-wide priority program SPP 1573 *Physics of the ISM*
 - 2 million € per year for six years funding about 40 different ISM related projects in Germany

Ongoing Own Grants:

- ERC (European Research Council): PI of proposal for advanced researcher grant STARLIGHT: Formation of the First Stars 2.5 million €
- DFG: Subprojects B1, B2, B4, B5 in the SFB 881 *The Milky Way System* 846.000 €
- DFG: The low-metallicity ISM: Metal enrichment, chemistry, feedback and magnetic fields (KL1358/14) as part of SPP 1153 Physics of the ISM
 116.000 €

Past Own Grants:

- Baden-Württemberg Foundation: International collaboration on *Early Star Formation* 465.000 €
- ASTRONET: French German consortium STAR FORMAT: Modeling star formation and ISM dynamics (PI of German part) 220.000 €
- Heidelberg University: FRONTIER grant The First Stars
 145.000 €
- Heidelberg University: FRONTIER grant Astrophysical Computing with GPUs
 - 150.000 €
- DFG: Initial Conditions of the Birthplaces of Planets (KL1358/11) 126.000 €
- DFG: Star Formation in Quasars and High-Redshift ALMA Observations (KL1358/10)
 - 151.000 €
- DFG: Formation and Evolution of Protostellar Disks in Young Star Clusters (KL1358/5)
 - 142.000 €
- DFG: Protostellar Outflows and Interstellar Turbulence (KL1358/4) 187.000 €
- DFG: Emmy Noether Junior Research Group Theory of Star Formation (KL1358/1)
 750.000 €
- DFG: various smaller grants for collaborative projects with foreign researchers, for travel, and for conference support -60.000 €

Additional Grants:

The theoretical star formation group in Heidelberg has attracted a number of additional grants since its foundation in 2006.

- DFG: Emmy Noether Research Group Star Formation in Nearby Galaxies and Beyond lead by Frank Bigiel — 965.000 €
- DFG: Emmy Noether Research Group *Massive Star Formation* lead by Robi Banerjee 750.000 €
- DFG: Postodoctoral project *The Stellar Clusters Population of the Andromeda Galaxy* by Dimitrios Gouliermis 230.000 €
- DFG: Postodoctoral project *The Formation of Prestellar Cores in the ISM* by Paul Clark

- DFG: Postodoctoral project *The Interplay Between IRDC Formation and Massive Star Formation* by Rowan Smith 188.000 €
- DFG: Postodoctoral project Statistical Analysis of Young Star Clusters by Stefan Schmeja -110.000 ∈
- Alexander von Humboldt Foundation (AvH): Postodoctoral project *Dynamics of Star Clusters* by Richard Allison -73.000 €

Committee Work:

9/12 — 8/14	Studien- und Prodekan: Dean of Study and member of the Faculty Board in the Faculty of Physics and Astronomy
9/12 —	Selection Committee of MERAC Prize of the European Astronomical Union
12/11 —	Head of ASTRONET working group towards establishing an European Astrophysical Software Laboratory (ASL)
1/11 —	Deputy Speaker of Collaborative Research Center SFB 881 <i>The Milky Way System</i>
10/10 —	Time Allocation Committee of Swiss National Supercomputing Center CSCS
9/10 — 8/12	Studiengebührenkommission: Committee of the Faculty of Physics and Astronomy to decide on the usage of the newly introduced student tuition.
6/10 —	Board of DFG Priority Program SPP 1573 Physics of the ISM
11/07 — 6/08	ESO Observing Programmes Committee: member of sub-panel C2 "chemical processes in the interstellar medium" for observing periods 81 and 82
10/07 — 9/09	Steering committee of <i>Forward Look on Computational Science in Europe</i> (funded and initiated by the European Science Foundation, ESF): strategy paper on improving European cyber-infrastructure; to be handed to the ESF in summer 2008
5/07 — 8/08	Fachkommission des Landes Baden-Württemberg zur Neuregelung des Lehramtsstudiums Physk und Astronomie: Committee of the State of Baden-Württemberg to redefine the requirements for physics and astronomy teachers in the new bachelor and master system.
4/07 — 12/09	Studiengebührenkommission: Committee of the Faculty of Physics and Astronomy to decide on the usage of the newly introduced student tuition.
4/07 — 12/09	Studienkommission: Committee of the Faculty of Physics and Astronomy to define the curriculum of the new bachelor and master studies in physics and astronomy at Heidelberg University.
1/07 —	Board of the International Max Planck Research School for Astronomy and Cosmic Physics at the University of Heidelberg

Observational Experience:

- Co-I of ESO large program on finding the most metal-poor stars in the Milky Way (ESO VLT: 120h x-shooter and 30h UVES time, PI: Elisabetta Caffau, proposal 189.D-0165)
- Co-I of two (E)VLA programs: one studies HII regions inf the region of Sag B2 (PI: Chris DePree, VLA/11B-058) and the other one is a pilot study for a galactic plane survey in HI, OH, and recombination lines (PI: Henrik Beuther, VLA/12A-161)
- PI of project for observing southern dwarf spheroidal satellite galaxies (Carina, Fornax, Sculptor) with the Wide-Field Imager (WFI) at the ESO 2.2m Telescope at La Silla, Chile, using Max Planck Time in 1999 (in collaboration with Josef Fried, MPIA).

Professional Associations:

• German Physical Society, German Astronomical Society, European Astronomical Society, International Astronomical Union

Professional Contributions

- Co-I of proposal to build a new gamma-ray satellite (white paper: arXiv:1306.5259)
- Referee of grant proposals for DFG (German Science Foundation), Alexander von Humboldt Foundation, FWF (Austrian Science Fund), NWO (Dutch Science Organisation), ANR (French Research Agency), Danish Council for Independent Research, Villum Foundation, the Academy of Science of the Czech Republic, NASA, Partnership for Advanced Computing in Europe (PRACE), Swiss National Supercomputing Center (CSCS), Gauss Center for Supercomputing (GCS)
- Frequent referee of publications in A&A, ApJ, MNRAS, PASJ, and Science
- Various thesis committees at Heidelberg University

Research Interests: Dynamical Processes in Astrophysics

- Star Formation at Present Days and in the Early Universe
- Physical and Chemical Processes in the Interstellar Medium
- Characterization of Turbulent Flows
- Stellar Evolution and Feedback Processes
- Numerical Methods in Astrophysics (Fluiddynamics, Special-Purpose Computing)

Publications:

- 1 book ("Sternentstehung: Vom Urknall bis zur Geburt der Sterne" Elsevier)
- 5 review articles (Saas Fee Lecture Course, Revies of Modern Physics, Reviews of Modern Astronomy, Protostars and Planets V, Advanced Science Letters)
- 3 theses (habilitation, dissertation, diploma)
- >200 refereed publications with more than 10.600 citations (of which 1 has more than 850, 6 have more 200, and 32 have more than 100 citations)
- 60+ conference papers
- 30+ abstracts
- 10 contributions to popular scientific magazines

Teaching:

Heidelberg University

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4/13 — 7/13	Summer Semester 2015: (Sabbatical)
	Reduced teaching due to sabbatical leave Part of Lecture + Tutorial "Computational Physics" (with R. Spurzem)
9/13 — 3/14	Winter Semester 2014/15: (Sabbatical)
	No teaching because of sabbatical leave
4/13 — 7/13	Summer Semester 2014: (Dean of Study)
	Block Course + Tutorial + Seminar "Stellar Structure and Evolution" (with S. Jordan) Seminar "Theoretical Star Formation Studies"
9/13 — 3/14	Winter Semester 2013/14: (Dean of Study)
	Seminar on "Theoretical Star Formation Studies"
4/13 — 7/13	Summer Semester 2013: (Dean of Study)
	Lecture + Tutorial + Seminar on "Stellar Structure and Evolution" (with S. Jordan) Lecture + Tutorial on "Computational Physics" (with R. Spurzem) Seminar on "Theoretical Star Formation Studies"
9/12 — 2/13	Winter Semester 2012/13: (Dean of Study)
	Block course "Mathematischer Vorkurs" (with E. Thommes) Tutorial "Experimental Physics 1" Lecture + Tutorial "Einführung in die Astronomie und Astrophysik 1" (with C. Dullemond) Seminar on "Theoretical Star Formation Studies"
4/12 — 7/12	Summer Semester 2012:
	Lecture + Tutorial + Seminar on "Stellar Structure and Evolution" (with S. Jordan) Lecture + Tutorial on "Computational Physics" (with R. Spurzem) Seminar on "Fragen der theoretischen Astrophysik" (with C. Dullemond, M. Bartelmann) Seminar on "Theoretical Star Formation Studies"
9/11 — 2/12	Winter Semester 2011/12:
	Block course "Mathematischer Vorkurs" (with E. Thommes) Tutorial "Experimental Physics 1" IMPRS Seminar "Current Research Topics" (with C. Fendt, K. Meisenheimer, G. van de Venn, A. Koch, S. Glover) Seminar on "Theoretical Star Formation Studies" Seminar on "Galaxy Evolution, Stellar Dynamics, Interstellar Medium" (with A. Just, HP. Gail)

4/11 - 7/11Summer Semester 2011: Lecture + Tutorial on "Introduction to Astronomy and Astrophysics 2" Lecture + Tutorial + Seminar on "Stellar Structure and Evolution" (with S. Jordan) Seminar on "Current Topics in Theoretical Star Formation Studies" Seminar on "Galaxy Evolution, Stellar Dynamics, Interstellar Medium" (with A. Just, R. Spurzem) 9/10 - 2/11Winter Semester 2010/11: Lecture + Tutorial on "Theoretical Astrophysics" Journal Club on "Current Topics in Theoretical Star Formation Studies" Seminar on "Galactic and Protostellar Disks, Planet Formation" (with B. Fuchs, H.-P. Gail) 4/10 - 7/10Summer Semester 2010: No teaching because of sabbatical leave 9/09 - 2/10Winter Semester 2009/10: Lecture + Tutorial "Theoretical Astrophysics" (with I. Berentzen) Block Course + Tutorial "Introduction to Astronomy and Astrophysics I + II" (with S. Jordan) Journal Club on "Current Topics in Theoretical Star Formation Studies" Seminar on "Galactic and Protostellar Disks, Planet Formation" (with B. Fuchs, H.-P. Gail, W. Tscharnuter, R. Wehrse) 3/09 - 7/09Summer Semester 2009: Lecture + Tutorial on "Computational Physics" (with R. Spurzem) Lecture + Tutorial + Seminar on "Stellar Structure and Evolution" (with S. Iordan) Journal Club on "Current Topics in Theoretical Star Formation Studies" Seminar on "Galactic and Protostellar Disks, Planet Formation" (with B. Fuchs, H.-P. Gail, W. Tscharnuter, R. Wehrse) 11/08 - 2/09Winter Semester 2008/09: Lecture + Tutorial on "Theoretical Astrophysics" Journal Club on "Current Topics in Theoretical Star Formation Studies" Seminar on "Galactic and Protostellar Disks, Planet Formation" (with B. Fuchs, H.-P. Gail, W. Tscharnuter, R. Wehrse) 4/08 - 7/08Summer Semester 2008: Astronomical Colloquium at University of Heidelberg Lecture + Tutorial on "Computational Physics" (with R. Spurzem) Lecture + Tutorial + Seminar on "Stellar Structure and Evolution" (with Seminar on "Galactic and Protostellar Disks" (with B. Fuchs, H.-P. Gail, R. Wehrse, W. Tscharnuter) 11/07 - 2/08Winter Semester 2007/08:

Lecture + Tutorial on "Theoretical Astrophysics"

Colloquium on "Topics in Theoretical Astrophysics" Seminar on "Galaxy Evolution, Stellar Dynamics, Interstellar Medium" (with H.-P. Gail, A. Just, R. Spurzem) Seminar on "Galactic and Protostellar Disks" (with B. Fuchs, H.-P. Gail, W. Tscharnuter) 4/07 - 7/07Summer Semester 2007: Lecture + Tutorial on "Mathematical Methods in Physics" Lecture + Tutorial on "Stellar Structure and Evolution" (with S. Jordan) Colloquium on "Topics in Theoretical Astrophysics" Seminar on "Galaxy Evolution, Stellar Dynamics, Interstellar Medium" (with H.-P. Gail, A. Just, R. Spurzem) Winter Semester 2006/07: 11/06 - 2/07Lecture + Tutorial on "Theoretical Astrophysics" Colloquium on "Topics in Theoretical Astrophysics" Seminar on "Galaxy Evolution, Stellar Dynamics, Interstellar Medium" (with H.-P. Gail, A. Just, R. Spurzem) 4/06 - 7/06Summer Semester 2006: Lecture on "Mathematical Methods in Physics" Seminar on "Galaxy Evolution, Stellar Dynamics, Interstellar Medium" (with R. Spurzem, A. Just)

Potsdam University

4/05 — 7/05	Summer Semester 2005: Seminar on "Physical Processes in Star Formation" (with S. Kitsionas)
11/04 - 2/05	Winter Semester 2004/05: Lecture on "Physics of Star Formation"
4/04 — 7/04	Summer Semester 2004: Lecture on "Globular Clusters: Dynamics of Dense Stellar Systems – Part 2"
11/03 — 2/04	Winter Semester 2003/04: Lecture on "Globular Clusters: Dynamics of Dense Stellar Systems – Part 1"
4/03 — 7/03	Summer Semester 2003: Seminar "Special Topics in Star Formation" (with C. Fendt)
11/02 — 2/03	Winter Semester 2002/03: Lecture on "Physics of Star Formation" (with C. Fendt)

Conference Organization:

8/16	Co-Chair of Scientific Organizing Committee of "First Stars V", Heidel-
	berg

9/15 Co-organizer of International Summer School "Dynamics of the Interstellar Medium and Star Formation" in Heidelberg

9/15	Co-organizer of Conference "Life-Cycle of Gas in Galaxies: A Local Perspective" in Dwingeloo
5/15	Member of Scientific Organizing Committee of the $2^{\rm nd}$ Harvard-Heidelberg Star Formation Meeting, Boston
9/14	Member of Scientific Organizing Committee of the conference "From Galactic to Extragalactic Star Formation", Marseille
9/14	Member of Scientific Organizing Committee of "STARBENCH II: Benchmarking Simulation Codes for Star Formation and Feedback", Bonn
7/14	Member of Scientific Organizing Committee of Symposium on "Star Formation in Galaxies: from Small to Large Scales" during the EWASS Conference, Geneva
6/14	Member of Scientific Organizing Committee of the $1^{\rm st}$ "Harvard-Heidelberg Star Formation & Visualization Meeting 2014", Heidelberg
5/14	Member of Scientific Organizing Committee of "The Olympian Symposium on Star Formation", Mt. Olympus
2/14	Member of Scientific Organizing Committee of the "SOFIA Winter School" in Cologne
10/13	Member of Scientific Organizing Committee of the ISM-SPP conference "Physical Processes in the ISM" in Garching
7/13	Co-Chair of the Organizing Committee of the Conference "Protostars and Planets VI" in Heidelberg
5/13	Member of Scientific Organizing Committee of the workshop "Magnetic Fields from Cloud Cores to Protostellar Discs" in Heidelberg
4/13	Member of Scientific Organizing Committee of "StarBench: A Workshop For The Benchmarking Of Star Formation Codes" in Exeter
10/12	Member of Scientific Organizing Committee of the Workshop "The Low-Metallicity ISM: Chemistry, Turbulence, and Magnetic Fields" in Göttingen
9/12	Co-Chair of the IMPRS Summer School "Computational Astrophysics" in Heidelberg
8/12	Member of Scientific Organizing Committee of the Conference "Galactic Scale Star Formation" in Heidelberg
6/12	Member of Scientific Organizing Committee of the Conference "The Labyrinth of Star Formation" in Crete
6/12	Member of Scientific Organizing Committee of the Conference "The Origins of Stars and Their Planetary Systems" in Hamilton
5/12	Member of Scientific Organizing Committee of the "First Stars 4" Conference in Kyoto
5/12	Member of Scientific Organizing Committee of the Conference "Disc Galaxy Formation in a Cosmological Context" in Heidelberg
8/11	Member of Scientific Organizing Committee of the "ISIMA Summer School on Star and Planet Formation" in Beijing

9/10	Co-organizer of AG Splinter Meeting "Physics of the Interstellar Medi- um" in Bonn
8/10	Co-organizer of International Summer School "First Stars and Cosmic Reionization" in Heidelberg
5/10	Member of Scientific Organizing Committee for the IAU Symposium "Numerical Simulations of Star Formation" in Barcelona
3/10	Co-organizer of a workshop on "Theoretical Challenges in the JWST Era" in Austin
9/09	Co-organizer of the Splinter Meeting "Dynamical Processes in the Interstellar Medium" at the Annual Meeting of the Astronomische Gesellschaft in Potsdam
9/09	Organizer of the 2^{nd} "STAR FORMAT" Meeting in Heidelberg
3/09	Co-organizer of the $2^{\rm nd}$ Sino-German Frontiers of Science Symposium in Potsdam
1/09	Co-organizer of Winter School "Numerical Astrophysics and Its Role in Star Formation" in Cardiff
6/08	Co-organizer of Conference "Origin and Evolution of Planets" in Ascona
3/08	Co-organizer of the $1^{\rm st}$ Sino-German Frontiers of Science Symposium in Beijing
9/07	Co-organizer of Splinter Meeting E: "Numerical Astrophysics" at the Annual Meeting of the <i>Astronomische Gesellschaft</i> in Würzburg
8/07	Co-organizer of International Summer School "The Milky Way Galaxy" in Heidelberg
5/07	Co-organizer of the ESO Workshop "12 Questions on Star and Massive Star Cluster Formation" at ESO Headquarters in Garching
5/07	Co-organizer of Conference "Structure Formation in the Universe : Planets, Stars, Galaxies" in Chamonix
12/06	Organizer of the workshop "Forward Look on European Computational Science: Astrophysical Aspects" sponsored by ESF in Heidelberg
9/06	Co-organizer of the Ringberg Workshop "EPoS 2006: The Early Phase of Star Formation"
8/06	Co-organizer of JD "Modelling Dense Stellar Systems" at the IAU General Assembly in Prague
9/04	Co-organizer of Splinter Meeting D "Astrophysical Turbulence" at the Annual Meeting of the <i>Astronomische Gesellschaft</i> in Prague
9/04	Co-organizer (as member of the MODEST collaboration) of Splinter Meeting E "Dense Stellar Systems - Old and Young" at the Annual Meeting of the <i>Astronomische Gesellschaft</i> in Prague
7/03	Co-organizer of the 2nd Annual Meeting of Emmy Noether Fellows in Potsdam
5/03	Preparatory meeting for an EU network on formation and evolution of dense star clusters

5/02 — 12/04	Organization of the weekly group meeting "Star and Planet Formation" at the AIP
4/02 — 12/04	Organization of the biweekly AIP House Colloquium in collaboration with R. Arlt
2/99	SOC of the TMR Conference on Hydrodynamic Methods in Galaxy Formation and Evolution

Lectures, Talks, and Discussions at Conferences and Schools:

- Invited Review on "ISM Dynamics and Galactic Scale Star Formation" at the 2nd Harvard-Heidelberg Star Formation Meeting in Boston (18. – 21. May 2015)
- Invited Talk on "Star Formation" at the 3^{rmrd} Chinese German Star Formation Meeting in Nanjing (23. 26. April 2014)
- Invited Talk on "Star Formation" at the European Week of Astronomy and Space Science in Geneva (30. June 4. July 2014)
- Invited Presentation on "Theoretical Star Formation Studies at Heidelberg University" at the Harvard Heidelberg Meeting Workshop "Star Formation: Data, Model, and Visualization" in Heidelberg (23. 26. June 2014)
- Invited Talk on "The Stellar IMF" at the "First Stars and Galaxies Workshop" in Edinburgh (10. 12. June 2014
- Invited Talk on "ISM Dynamics and Star Formation" at the Conference "Lessons from the Local Group", Mahe, Seychelles (19. 23. May 2014
- Invited Lecture on "ISM Dynamics and Star Formation" at the SOFIA Winter School in Cologne (10. 14. February 2014)
- Invited Review on "Properties of the Interstellar Medium" at the ISM-SPP Conference "Physical Processes in the ISM" in Garching (21. 25. October 2013)
- Invited Review on "ISM Dynamics and Star Formation" at the Conference "Mind the Gap" in Cambridge (8. 12. July 2013)
- Discussion on "Theoretical Aspects of Star Formation" at the Ringberg Workshop "Regulation of Star Formation in Molecular Gas: From Galactic to Sub-Cloud Scales" (23. – 29. June 2013)
- Invited Talk on "ISM Dynamics and Star Formation" at the Ringberg Workshop "Cosmic Dawn at Ringberg" (17. 21. June 2013)
- Invited Talk on "Magnetic Fields from Cloud Cores to Protostellar Disk in Heidelberg" at the Conference "Magnetic Fields from Cloud Cores to Protostellar Disk" at the Haus der Astronomie in Heidelberg (21. 24. May 2013)
- Invited Talk on "Challenges in Numerical Astrophysics Modeling Star Formation" at the DPG Meeting in Jena (21. March 2013)
- Lecture Series on "Modeling ISM Dynamics and Star Formation" at the 43rd Saas Fee Course "Star formation in galaxy evolution: connecting numerical models to reality" (Villars sur Ollon, 11. – 16. March 2013)
- Lecture on "Star Formation and Stellar Feedback" at the SIM-SPP School "The Physics of the ISM" in Freising (1. 5. October 2012)
- Review on "Star Formation at Different Metallicities" at the "Galactic Scale Star Formation" Conference in Heidelberg (30. July 3. August 2012)
- Discussion on "Star Formation" at the Origins Conference in Hamilton (11. 15. June 2012)

- Invited Review on "ISM Dynamics and Star Formation" at the "First Stars IV" Conference (Kyoto, 21. 25. May 2012)
- Invited Talk on "ISM Properties and Star Formation" at the Workshop "Open Questions in Galactic Chemical Evolution" in Heidelberg (8. 9. May 2012)
- Invited Review on "Modeling Star formation today and in the early universe" at the Astrosim Conference "New Horizons in Computational Astrophysics" (Davos, 29 Januar 3 February 2012)
- Invited Talk on "First Star Formation" German-Japanese Roundtable Workshop (Heidelberg, 1 3 December 2011)
- Invited Review on "Similarities between primordial and present-day star formation" at the Meeting "Magnetic Fields: From Star forming Regions to galaxy Clusters and Beyond" (Schloss Ringberg, 18 22 July 2011)
- Invited Talk on "What can we learn from present-day star formation about the first stars?" at the Ringberg Meeting "A Quarter Century of DLAs: Celebrating the Career of Arthur Wolfe" (3 – 7 July 2011)
- Invited Talk on "Star Formation: Now and Then" at the "First Galaxies" Workshop (Schloss Ringberg, 26 June 1 July 2011)
- Invited Review at the Dutch ISM/CSM Meeting in Utrecht "ISM dynamics and Star Formation" (25 May 2011)
- Lectures on "Physics of the Interstellar Medium" at the at the NAOJ School and Workshop in Star Formation in Mitaka (21 25 February 2011)
- Lectures on "ISM Dynamics and Star Formation" at the 2010 Evry Schatzman School (Aussois, 27 September 1 October 2010)
- Invited Talk on "Modeling ISM Dynamics and Star Formation" at the 2010 ASTRO-SIM Conference (Wengen, 4 – 8 October 2010)
- Invited Talk on "Modeling ISM Turbulence" at the 2010 ASTRONUM Conference (San Diego, 14 18 June 2010)
- Invited Talk on "Star Cluster Formation" at the IAU Symposium 270 "Computational Star Formation" (Barcelona, 31 May 4 June 2010)
- Invited Review on "Lessons from Present-Day Star Formation" at the conference "First Stars and Galaxies: Challenges in the Next Decade" (Austin, Texas, 8 11 March 2010)
- Invited Talk on "Ionization Feedback in Massive Star Formation" at the conference "2010 Star Formation Workshop: Massive Star Formation – Observations, Theory and Diagnostic Tools" (Berkeley, California, 11 – 14 January 2010)
- Invited Review on "Star Formation" at the conference "SFR@50: Filling the Cosmos with Stars" (Spineto, Italy, 6. 10. July 2009)
- Invited Review on "Formation and Evolution of Protostellar Accretion Disks in Star Clusters" at the symposium "Planet Formation and Evolution: The Solar System and Extrasolar Planets" (Tübingen, Germany, 2. 6. January 2009)
- Invited Review on "Molecular Cloud Fragmentation and Star Formation" at the Ringberg workshop "Early Epochs of Star Formation 2008" (Tegernsee, Germany, 28. July 1. August 2008)
- Discussion Session on "Star Formation" at the workshop "Origin and Evolution of Planets 2008" (Ascona, Switzerland, 29. June – 4. July 2008)
- Talk on "What Can We Learn from Present-Day Star Formation about Stellar Birth in the Early Universe?" at the IAU Symposium 255 "Low Metallicity Star Formation: From the First Stars to Dwarf Galaxies" (Rapallo, Italy, 16. 20. June 2008)

- Review on "Modeling Star Formation" at the First Chinese German Workshop on Star Formation (Nanjing, China, 31. March – 4. April 2008)
- Talk on "Simulations of the Interstellar Medium" at the FIR Workshop 2007 "Far-Infrared and Submillimeter Emission of the Interstellar Medium: Models Meet Extragalactic and Galactic Observations", (Bad Honnef, Germany, 5. 7. November 2007)
- Talk on "Modeling Star Cluster Formation" at the workshop "Next Generations of Computational Models: From Protostellar Cores to Disk Galaxies", (Zurich, Switzerland, 17. 21. September 2007)
- Review Talk on "Formation of Star Clusters" at the IAU Symposium 246 "Dynamical Evolution of Dense Stellar Systems" (Capri, Italy, 5. 9. September 2007)
- Talk on "Modelling Star Formation in Disk Galaxies" at the Heidelberg Summer School 2007 "The Milky Way Galaxy", Heidelberg, 29. Aubust 5. September 2007)
- Tutorial on the "Importance of Thermodynamics in Star Formation" at the KITP Program "Star Formation Then and Now" (Santa Barbara, 22.9.2007)
- Talk on "Importance on Thermodynamic Processes in Star Formation" at the ESO Workshop "12 Questions on Star and Massive Star Cluster Formation" (Garching, 03.06. – 06.06.2007)
- Conference Summary (together with M.-M. Mac Low) at the Symposium "Structure Formation in the Universe: Planets, Stars, Galaxies" (Chamonix, 27.05. 01.06.2007)
- Three Lectures of 1.5h on "Star Formation" at the 24th Jerusalem Winter School "The Lifes of Low-Mass Stars and their Planetary Systems" (Jerusalem, 27.12.2006 - 06.01.2007)
- Lecture on "Dynamical Processes in the Interstellar Gas" (lecture at the Heidelberg Summer School 2006 "Physics of the Interstellar Medium", Heidelberg, 25. 29. September 2006)
- Lecture on "Dynamical Processes in the Interstellar Gas" (lecture at the Heidelberg Summer School 2006 "Physics of the Interstellar Medium", Heidelberg, 25. 29. September 2006)
- Ringberg Meeting "Early Epochs of Star Formation" (talk on star formation, Ringberg, 28. August 1. September 2006)
- Spring Meeting of the German Physical Society (invited plenary talk on star formation and physical processes in the interstellar medium, Augsburg, 27. 30. March 2006)
- Conference "Protostars and Planets V" (invited review on molecular cloud turbulence and star formation, Waikoloa, Hawaii, 24. 28. October 2005)
- Conference "Formation of Disk Galaxies" (invited talk, Ascona, Switzerland, 27. June 1. July 2005)
- Interacademiaal College: Sterrekunde 2005 (invited lectures, Utrecht, The Netherlands, 8. May 2005)
- IAU Symposium 227 "Massive Star Formation: A Crossroads of Astrophysics" (invited talk, Acireale, Italy, 16. 20. May 2005)
- Conference Grand "Challenge Problems in Computational Astrophysic" Workshop II "N-Body Problems at IPAM", UCLA (invited lecture, Los Angeles, 18. 22. April 2005)
- Conference "Role of Mergers and Feedback in Galaxy Evolution" held at Ringberg Castle, Tegernsee (invited talk, Tegernsee, 1. - 6. November 2004)
- Workshop "Frontiers in Computational Astrophysics" held in Wengen, Switzerland (invited talk, Wengen, 26. 29. September 2004)

- Splinter Meeting "Astrophysical Turbulence" at AG Meeting 2004 in Prague (contributed talk, Prague, 21. 22. September 2004)
- Helmholtz School on Computational Physics (talk, Potsdam, 10. September 2004)
- 2nd Tübingen/Heidelberg Workshop on Astrophysical Fluid Dynamics (contributed talk, Heidelberg, 28. 29. June 2004)
- Dutch Astronomy Conference 2004, celebrating the 90th birthday of Prof. Adriaan Blaauw (invited talk, Vlieland, 26. 28. May 2004)
- International Conference: "50 Years of Stellar Initial Mass Function", (invited talk, Spineto, 16. 20. May 2004)
- MODEST-4 Workshop: "Modelling Dense Stellar Systems", (working group report, Geneva, 12. 14. January 2004)
- Ensenada Conference: "Gravitational Collapse: From Massive Stars to Planets" (invited talk, Ensenada, 8. December 2003)
- Cancun Conference: "The Formation and Evolution of Massive Young Clusters" (invited talk, Cancun, 19. November 2003)
- JENAM2003: Symposium on "Galactic Dynamics" (contributed talk, Budapest, 29. August 2003)
- JENAM2003: Symposium on "Early Stages of Star Formation" (invited review, Budapest, 26. August 2003)
- Thinkshop 2 on "The Local Group as Cosmological Training Sample" (contributed talk, Potsdam, 12. 15. June 2003)
- GAFOS 2003: session chair on the topic "Formation of Stars and Planets" (at the 'German American Frontiers of Science' symposium organized by the National Academy of Science und the Alexander von Humboldt Society, in Irvine, CA, 5. 7. June 2003)
- Conference: "Magnetic Fields and Star Formation" (Madrid, 23. April 2003)
- Annual Meeting of the German Astronomical Society: "Star Formation in Galactic Gas Clouds" (Ludwig Biermann Award Lecture, Berlin, 24. September 2002)
- EC Network School: "Numerical Modelling of Star Formation" (invited lecture on SPH basics, Cardiff, UK, 25. 27. April 2002)
- University of Kiel: "The Theory of Star Cluster Formation and Implications" (Kiel, Germany, 25. March 2002)
- Basel University: "Modern Trends in Computational Physics" (Basel, Switzerland, 25. 26. February 2002)
- IAU Symposium 208: "Astrophysical Supercomputing using Particle Simulations" (Tokyo, Japan, 10. 13. Juni 2001)
- ESO Workshop: "The Origins of Stars and Planets The VLT View" (ESO Hauptquartier, Garching bei München, 24. 27. April 2001)
- AG Herbsttagung 2000, Splinter Meeting on Star Formation (Bremen, 18. 23. September 2000)
- Ringberg Workshop: "Star and Planet Formation" (Schloß Ringberg, 21. 24. Juni 2000)
- Cargese Workshop: "From Darkness to Light: Origin and Evolution of Young Stellar Clusters" (Cargese, Frankreich, 2000)
- Schloeßmann Seminar: "Mathematical Models in Biology, Chemistry and Physics" (Bad Lausick, 22. 22. Mai 2000)
- JENAM Meeting (Toulouse, Frankreich, 7. 11. September 1999)
- Ringberg Workshop: "Dwarf Galaxies" (Schloß Ringberg, Germany, 27. Juni 2. Juli 1999)

- TMR Workshop: "Hydrodynamical Aspects of Galaxy Formation" (Leiden, Niederlande, 8. 10. März 1999)
- GRAPE Workshop (Toyko, Japan, 28. 3. Januar 1999)
- ESFON Meeting (Heidelberg, Oktober 1998)
- AG Herbsttagung 1998, Splinter Meeting on Star Formation(Heidelberg, 14. 19. September 1998)
- ITA Workshop: "Dynamics of Galaxies and Galactic Nuclei" (Heidelberg, 1998)
- 2nd Guillermo Haro Conference: "Interstellar Turbulence" (Puebla, Mexiko, Januar 1998)
- AG Herbsttagung 1997, Splinter Meeting on Star Formation (Innsbruck, Österreich, 22. -27. September 1997)
- Riken Symposium on Supercomputing: "New Horizon of Computational Science" (Tokyo, Japan, 1. - 3. September 1997)
- 12th Kingston Meeting: "Computational Astrophysics" (Halifax, Canada, 17. 19. Oktober 1996)

Invited Seminars und Colloquia at Institutes:

- UC Santa Cruz, Astronomy Colloquium (27.5.2015)
- Stanford University, KIPAC Tea Talk (23.4.2015)
- Jet Propulsion Laboratory in Pasadena, Colloquium (20.4.2015)
- NASA Ames, Sofia Colloquium (16.4.2015)
- UC Berkeley, Seminar (11.3.2015)
- Caltech in Pasadena, Colloquium (23.2.2015)
- UC Santa Cruz, FLASH Seminar 2 (9.1.2015)
- UC Santa Cruz, FLASH Seminar 1 (19.12.2014)
- ANU Canberra, Seminar (17.9.2014)
- Harvard University, ITC Colloquium at CfA (21.8.2014)
- MIT, Seminar (20.8.2014)
- Universität Chemnitz, Colloquium (9.7.2014)
- Universität Heidelberg, IWR Colloquium (18.12.2013)
- Universität Göttingen, Colloquium (12.06.2013)
- Harvard University, ITC Colloquium (21.02.2013)
- Oxford University, Colloquium (27.01.2013)
- Universität Heidelberg, Physikalisches Kolloquium (11.01.2013)
- Universität München, Astronomisches Kolloquium at the USM (07.11.2012)
- Universität Göttingen, Kolloquium (09.10.2012)
- MPE Garching, Seminar (24.09.2012)
- McMaster University, Origins Colloquium (18.06.2012)
- Heidelberg University and MPIA, Joint Astronomical Colloquium (24.04.2012)
- Universität zu Köln, Großes Physikalisches Kolloquium (10.01.2012)
- MPA Garching, Seminar (21.11.2011)
- ASIAA, Taipei, Colloquium (09.08.2011)
- Sterrewacht Leiden, Seminar (24.05.2011)
- Observatoire de Geneve, Geneva, Colloquium (22.03.2011)

- Institute of Astronomy, Cambridge, Colloquium (17.03.2011)
- Max-Planck-Institut für Astrophysik, Garching, Seminar (03.11.2010)
- Universität Tübingen, Physics Colloquium (27.10.2010)
- University of California at Santa Cruz, ISM Seminar (21.04.2010)
- University of California at Santa Cruz, Astrononomy Colloquium (10.02.2010)
- University of Oldenburg, Physics Colloquium (23.06.2009)
- Physics Institute Heidelberg, Hydrodynamics Seminar (04.05.2009)
- Ecole Normale Superieure in Paris, MHD Seminar (03.04.2009)
- DFG Round Table Discussion on Priority Program ISM Dynamics, Garching (17.03.2009)
- ESO, MPA, MPE, and University of Munich, Joint Astronomical Colloquium (25.09.2008)
- Observatory, University of Hamburg, Colloquium (10.07.2008)
- Peking University, Beijing, China, Colloquium (17.03.2008)
- Cardiff University, Colloquium (26.02.2008)
- Astronomisches Rechen-Institute (ZAH), Colloquium (20.12.2007)
- University of Munich, Physical Colloquium (10. December 2007)
- Potsdam University, Physical Colloquium (16. May 2006)
- Basel University, Astronomical Colloquium (29. November 2006)
- International University of Bremen, Colloquium (8. November 2006)
- Konstanz University, Physical Colloquium (31. September 2006)
- Kapteyn Institute, Groningen (22. May 2006)
- Heidelberg University, Physical Colloquium (28. April 2006)
- AIP Hauskolloquium (13. January 2006)
- ETH Zürich (21. June 2005)
- Max-Planck-Institut für Astronomie, Heidelberg (1. February 2005)
- Universität Würzburg (20. January 2005)
- Institut f
 ür Theoretische Physik und Astrophysik, Kiel (22. November 2004)
- Institut für Theoretische Astrophysik, Heidelberg (25. October 2004)
- Niels Bohr Institute, Copenhagen (6. October 2004)
- University of California at Berkeley (11. August 2004)
- University of California at Santa Cruz (29. July 2004)
- American Museum of Natural History, New York (21. July 2004)
- Leicester University (9. June 2004)
- Universität Jena (3. June 2004)
- Observoire de Geneve (23. April 2004)
- University of Hertfordshire, Hatfield (1. April 2004)
- Max-Planck-Institut für Astrophysik, Garching (29. March 2004)
- Max-Planck-Institut f
 ür Radioastronomie, Bonn (12. March 2004)
- Leicester University (5. March 2004)
- Universität Potsdam (28. January 2004) habilitation lecture
- Sternwarte Hamburg (18. December 2003)
- Universität Potsdam (22. October 2003) habilitation colloquium
- Astronomisches Recheninstitut, Heidelberg (28. June 2003)
- Max-Planck-Institut für Astronomie, Heidelberg (26. June 2003)
- Center for Star Formation Studies, NASA Ames (2. June 2003)

- TU Berlin (12. May 2003)
- Sternwarte Bonn (21. January 2003)
- Astrophysikalisches Institut Potsdam (Wiss. Beirat) (24. Oktober 2002)
- Kapteyn Instituut Groningen (1. July 2002)
- Astrophysikalisches Institut Potsdam (Hauskolloquium) (31. May 2002)
- Astrophysikalisches Institut Potsdam (MHD Seminar) (28. March 2002)
- Max-Planck-Institut für Astronomie, Heidelberg (28. February 2002)
- Universität Basel (26. February 2002)
- Tokyo Institute of Technology
- University of California at Santa Cruz
- University of California at Berkeley
- Center for Star Formation Studies, NASA Ames
- American Museum of Natural History, New York
- Universiteit Leiden
- Universität Köln
- Stockholm Observatory
- Universiteit Utrecht
- Max-Planck-Institut f
 ür extraterrestrische Physik, Garching
- CEA Saclay
- Max-Planck-Institut für Astronomie, Heidelberg
- Max-Planck-Institut für Astrophysik, Garching
- Universität Kiel

Public Lectures:

- Bay View Elementary Santa Cruz: "Astronomy", 28. January + 12. March 2015, short astronomy lecture for elementary school students
- Public Evening Talk "Die turbulente Geburt der Sterne", Haus der Astronomie, Heidelberg, 12. September 2013
- Public Evening Lecture "Die galaktische Sternenfabrik", Mannheim Planetarium,
 15. December 2011
- Public Noon Lecture "Wie entsteht ein Stern?", Heidelberg, Peterskirche, 8. July 2011
- Public Noon Lecture "Ist der Raum zwischen den Sternen leer?", Heidelberg, Peterskirche, 6. June 2011
- Public Noon Lecture "Die ersten Sterne im Universum", Heidelberg, Peterskirche, 16. May 2011
- Public Noon Lecture "Die turbulente Geburt der Sterne", Heidelberg, Peterskirche, 15. April 2011
- Planetarium Göttingen: "The turbulente Geburt der Sterne", 11. January 2011, public evening talk
- West Lake School Santa Cruz: "Astronomy", 11. + 10. May 2010, astronomy lecture for elementary school students
- Göttinger Literaturherbst: "Die Geburt der Sterne", 23. October 2009, public afternoon lecture for children

- Montessori Schule Heidelberg: "Astronomie", 11. + 19. May 2009, astronomy course for 3rd and 4th grad school students
- Volkssternwarte Darmstadt: "Die turbulente Geburt der Sonne", 17. March 2007, public evening lecture
- Urania Berlin: "Die Geburt der Sterne", 14. March 2007, public evening lecture
- Erich-Regener-Vortragsreihe, Max Planck Institute for Solar System Research in Katlenburg-Lindau: "Die turbulente Geburt der Sonne", 26. June 2006, public evening lecture
- Astronomiestiftung Trebur: "Im Kreißsaal der Sterne", 18. March 2005, public evening lecture
- Wilhelm Foerster Sternwarte Berlin: "Die turbulente Geburt der Sterne", 25. February 2004, public evening lecture