

## Foreword

Volume 118 (2008) of the *Journal of Physics: Conference Series* provides a written record of the talks and posters presented at the HELAS II International Conference “Helioseismology, Asteroseismology and MHD Connections.” The conference was held during the week 20–24 August 2007 in Göttingen, Germany, jointly hosted by the Max Planck Institute for Solar System Research and the Faculty of Physics of the University of Göttingen. A total of 140 scientists from all over the world attended.

The Scientific Organizing Committee consisted of Conny Aerts, Annie Baglin, Jørgen Christensen-Dalsgaard, Thierry Corbard, Jadwiga Daszyńska-Daszkiewicz, Stefan Dreizler, Yvonne Elsworth, Laurent Gizon (Chairman), Wolfgang Glatzel, Frank Hill, Donald Kurtz, Oskar von der Lühe, Maria Pia Di Mauro, Mário Monteiro, Pere Pallé, Markus Roth, Philip Scherrer, Manfred Schüssler, and Michael Thompson.

HELAS stands for the European Helio- and Asteroseismology Network, a Coordination Action supported by the sixth Framework Programme of the European Union. It aims to bring together researchers in the fields of solar and stellar oscillations.

This volume consists of 91 articles organised into sections that reflect the scientific programme of the conference:

- 012001–07 Wave diagnostics in physics, geophysics and astrophysics
- 012008–09 Perspectives on helio- and asteroseismology
- 012010–17 Asteroseismology: Observations
- 012018–25 Asteroseismology: Theory
- 012026–32 Global helioseismology and solar models
- 012033–38 Local helioseismology and magnetic activity
- 012039–44 Future observational projects in helio- and asteroseismology
- 012045–91 Poster papers.

The overwhelming majority of papers discuss the seismology of the Sun and stars. Papers in the first section provide a broader perspective on wave phenomena and techniques for probing other physical systems, from living beings to the universe as a whole. We were extremely fortunate to have particularly distinguished experts to cover these topics.

All papers are freely accessible on the internet, in colour, at <http://www.iop.org/EJ/journal/conf/>. Also available in the online edition are (i) an interactive conference picture, (ii) the abstract book, and (iii) material on the special session “Waves, Waves and Waves.”

Additional articles related to both the HELAS II and the SOHO 19/GONG 2007 conferences can be found in a topical issue of *Solar Physics*, volume 251, nos. 1–2.

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Laurent Gizon  
Markus Roth  
*Editors*

Katlenburg-Lindau, Germany



**Figure 1.** Conference picture taken in front of the Imperial Palace (Kaiserpalz) in Goslar, Lower Saxony. To find out which names belong to the faces download the interactive picture provided in the electronic version of this volume.

List of participants

- 1 Conny Aerts, Katholieke Universiteit Leuven, Belgium
- 2 Ali I. Al Mussa, King Abdulaziz City for Science and Technology, Saudi Arabia
- 3 Pedro Amado, Universidad de Granada, Spain
- 4 Victoria Antoci, University of Vienna, Austria
- 5 Thierry Appourchaux, Institut d'Astrophysique Spatiale, France
- 6 Paul Beck, University of Vienna, Austria
- 7 Kevin Belkacem, Observatoire de Paris, France
- 8 Aaron Birch, NWRA, CoRA Division, USA
- 9 Barna Imre Bíró, Baja Astronomical Observatory of Bács-Kiskun County, Hungary
- 10 D. Shaun Bloomfield, Max-Planck-Institut für Sonnensystemforschung, Germany
- 11 Richard Bogart, Stanford University, USA
- 12 Juan Manuel Borrero, National Center for Atmospheric Research, USA
- 13 Hans Bruntt, University of Sydney, Australia
- 14 Raymond Burston, Max-Planck-Institut für Sonnensystemforschung, Germany
- 15 Olga Burtseva, National Solar Observatory, USA
- 16 Paul Cally, Monash University, Australia
- 17 Robert Cameron, Max-Planck-Institut für Sonnensystemforschung, Germany
- 18 Fabien Carrier, Katholieke Universiteit Leuven, Belgium
- 19 Claude Catala, Observatoire de Paris, France
- 20 William Chaplin, University of Birmingham, United Kingdom
- 21 Dean-Yi Chou, National Tsing Hua University, Taiwan
- 22 Jørgen Christensen-Dalsgaard, University of Aarhus, Denmark
- 23 Thierry Corbard, Observatoire de la Côte d'Azur, France
- 24 Bruce Cornuelle, Scripps Institution of Oceanography, USA
- 25 Victor Costa, Instituto de Astrofísica de Andalucía, Spain
- 26 Orlagh Creevey, High Altitude Observatory, USA
- 27 Jadwiga Daszyńska-Daszkiewicz, Uniwersytet Wrocławski, Poland
- 28 Peter De Cat, Royal Observatory of Belgium, Belgium
- 29 Maarten Desmet, Katholieke Universiteit Leuven, Belgium
- 30 Gulnur Dogan, Middle East Technical University, Turkey
- 31 Noël Dolez, Observatoire Midi-Pyrénées, France
- 32 Stefan Dreizler, Georg-August-Universität Göttingen, Germany
- 33 Marc-Antoine Dupret, Observatoire de Paris, France
- 34 Thomas L. Duvall Jr., NASA GSFC, USA
- 35 Patrick Eggenberger, Université de Liège, Belgium
- 36 Yvonne Elsworth, University of Birmingham, United Kingdom
- 37 Laurent Eyer, Observatoire de Genève, Switzerland
- 38 Mathias Fink, Laboratoire Ondes et Acoustique, ESPCI, France
- 39 Jian Ning Fu, Beijing Normal University, China
- 40 Rafael A. Garcia, CEA Saclay, France
- 41 Laurent Gizon, Max-Planck-Institut für Sonnensystemforschung, Germany
- 42 Mélanie Godart, Université de Liège, Belgium
- 43 Irene González Hernández, National Solar Observatory, USA
- 44 Marie-Jo Goupil, Observatoire de Paris-Meudon, France
- 45 Nicolas Grevesse, Université de Liège, Belgium
- 46 Frank Grundahl, University of Aarhus, Denmark
- 47 Elisabeth Guggenberger, University of Vienna, Austria

- 48 Gerald Handler, University of Vienna, Austria  
49 Artie Hatzes, Thüringer Landessternwarte Tautenburg, Germany  
50 Saskia Hekker, Leiden University, The Netherlands  
51 Frank Hill, National Solar Observatory, USA  
52 K.M. Hiremath, Indian Institute of Astrophysics, India  
53 Johann Hirzberger, Max-Planck-Institut für Sonnensystemforschung, Germany  
54 Volkmar Holzwarth, Max-Planck-Institut für Sonnensystemforschung, Germany  
55 Martin Huber, Paul Scherrer Institut, Switzerland  
56 Imre Isik, Max-Planck-Institut für Sonnensystemforschung, Germany  
57 Jason Jackiewicz, Max-Planck-Institut für Sonnensystemforschung, Germany  
58 Rekha Jain, University of Sheffield, United Kingdom  
59 Christoffer Karoff, University of Aarhus, Denmark  
60 Shukirjon Kholikov, National Solar Observatory, USA  
61 Katrien Kolenberg, University of Vienna, Austria  
62 Rudolf Komm, National Solar Observatory, USA  
63 Sylvain Korzennik, Harvard-Smithsonian Center for Astrophysics, USA  
64 Manfred Küker, Astrophysikalisches Institut Potsdam, Germany  
65 Donald Kurtz, University of Central Lancashire, United Kingdom  
66 Norbert Langer, Utrecht University, The Netherlands  
67 Tim Larson, Stanford University, USA  
68 Holger Lehmann, Thüringer Landessternwarte Tautenburg, Germany  
69 John Leibacher, National Solar Observatory, USA  
70 Patrick Lenz, University of Vienna, Austria  
71 Pilar López de Coca, Instituto de Astrofísica de Andalucía, Spain  
72 Ziyad Matalgah, Middle East Technical University, Turkey  
73 Stéphane Mathis, CEA/DSM/DAPNIA, Centre de Saclay, France  
74 Savita Mathur, CEA Saclay, France  
75 Gabriela Michalska, Uniwersytet Wroclawski, Poland  
76 Eric Michel, Observatoire de Paris, France  
77 Mark S. Miesch, National Center for Atmospheric Research, USA  
78 Andrea Miglio, Université de Liège, Belgium  
79 David Mkrtichian, Sejong University, South Corea  
80 Joanna Molenda-Zakowicz, Uniwersytetu Wroclawskiego, Poland  
81 Mário J.P.F.G. Monteiro, Universidade do Porto, Portugal  
82 Hamed Moradi, Monash University, Australia  
83 Thierry Morel, Katholieke Universiteit Leuven, Belgium  
84 Valery Nakariakov, University of Warwick, United Kingdom  
85 Arlette Noels-Grötsch, Université de Liège, Belgium  
86 Guust Nolet, Princeton University, USA  
87 Christian Nutto, Kiepenheuer-Institut für Sonnenphysik, Germany  
88 Pere L. Pallé, Instituto de Astrofísica de Canarias, Spain  
89 Alexey Pamyatnykh, Nicolaus Copernicus Astronomical Center, Poland  
90 José H. Peña, Universidad Nacional Autónoma de México, Mexico  
91 Andrzej Pigulski, Uniwersytet Wroclawski, Poland  
92 Dumitru Pricopi, Astronomical Institute of the Romanian Academy, Romania  
93 Pierre-Olivier Quirion, Aarhus Universitet, Denmark  
94 M. Cristina Raballo-Soares, Stanford University, USA  
95 Suzanna Randall, ESO Garching, Germany  
96 Timur Rashba, Max Planck Institute for Physics, Germany  
97 Daniel Reese, University of Sheffield, United Kingdom

- 98 Matthias Rempel, National Center for Atmospheric Research, USA  
99 Angel Rolland, Instituto de Astrofísica de Andalucía, Spain  
100 Markus Roth, Max-Planck-Institut für Sonnensystemforschung, Germany  
101 Günther Rüdiger, Astrophysikalisches Institut Potsdam, Germany  
102 Sophie Saesen, Katholieke Universiteit Leuven, Belgium  
103 Yacine Saidi, Max-Planck-Institut für Sonnensystemforschung, Germany  
104 Hideyuki Saio, Tohoku University, Japan  
105 David Salabert, National Solar Observatory, USA  
106 Reza Samadi, Observatoire de Paris, France  
107 Ariane Schad, University of Freiburg, Germany  
108 Dieter Schmitt, Max-Planck-Institut für Sonnensystemforschung, Germany  
109 Jesper Schou, Stanford University, USA  
110 Manfred Schüssler, Max-Planck-Institut für Sonnensystemforschung, Germany  
111 Sonja Schuh, Georg-August-Universität Göttingen, Germany  
112 Hannah Schunker, Max-Planck-Institut für Sonnensystemforschung, Germany  
113 Bernard F. Schutz, Max Planck Institute for Gravitational Physics, Germany  
114 Giuseppe Severino, INAF, Italy  
115 Rosaria Simoniello, Instituto de Astrofísica de Canarias, Spain  
116 Sami K. Solanki, Max-Planck-Institut für Sonnensystemforschung, Germany  
117 Joana Sousa, Centro de Astrofísica da Universidade do Porto, Portugal  
118 Thorsten Stahn, Max-Planck-Institut für Sonnensystemforschung, Germany  
119 Marek Steslicki, Uniwersytet Wrocławski, Poland  
120 Juan Carlos Suárez, Instituto de Astrofísica de Andalucía, Spain  
121 Marian Suran, Astronomical Institute of the Romanian Academy, Romania  
122 Jaume Terradas Calafell, Katholieke Universiteit Leuven, Belgium  
123 Michael J. Thompson, University of Sheffield, United Kingdom  
124 Anne Thoul, Université de Liège, Belgium  
125 Sylvaine Turck-Chièze, CEA Saclay, France  
126 Sergey Ustyugov, Keldysh Institute of Applied Mathematics, Russian Federation  
127 Katrien Uytterhoeven, INAF, Italy  
128 Maarten van Hoven, Leiden Observatory, The Netherlands  
129 Gérard Vauclair, Observatoire Midi-Pyrénées, France  
130 Alexander Vögler, Utrecht University, The Netherlands  
131 Oskar von der Lühe, Kiepenheuer-Institut für Sonnenphysik, Germany  
132 Robert Wagoner, Stanford University, USA  
133 Gordon Walker, University of British Columbia, Canada  
134 Edward L. Wright, University of California at Los Angeles, USA  
135 Amel Zaatri, Kiepenheuer-Institut für Sonnenphysik, Germany and Observatoire de la Côte d'Azur, France  
136 Tomash Zdravkov, N. Copernicus Astronomical Center, Poland  
137 Mathias Zechmeister, Thüringer Landessternwarte Tautenburg, Germany  
138 Chao Zhang, Beijing Normal University, China  
139 Yuzef Zhugzhda, IZMIRAN, Russian Federation  
140 Wolfgang Zima, Katholieke Universiteit Leuven, Belgium