

MATHEMATICS AND COMPUTATION IN MUSIC CONFERENCE (MCM 2011)

<http://mcm2011.ircam.fr>

*** Important Dates ***

- February 1, 2011 Extended deadline for submission of papers, tutorials and panels
- March 14, 2011 Notification of acceptance
- March 29, 2011 Camera-ready submissions
- June 15-17, 2011 MCM 2011

*** Third Call for Participation ***

The **Third International Conference on Mathematics and Computation in Music** will take place June 15-17, 2011 at IRCAM, the *Institute for Research and Coordination of Acoustics and Music* in Paris, France. MCM 2011 will be integrated into IRCAM's most important artistic event of the season, the *Agora Music Festival*, which is running from June 8 to 18, 2011. As in the case of the first two conferences (which took place in 2007 in Berlin and in 2009 at Yale University), the third *Mathematics and Computation in Music Conference* aims to provide a multi-disciplinary platform dedicated to the communication and exchange of ideas amongst researchers involved in mathematics, computer science, music theory, composition, musicology, or other related disciplines. The two Keynote speakers will be the renowned composer and conductor Pierre Boulez, founder and honorary director of IRCAM, and Fields medalist Alain Connes. The conference will be accompanied by a series of conference-related artistic events (concerts, exhibitions, workshops, ...) organized in collaboration with some of the most important cultural and educational centers of France, such as the Centre Pompidou and *Universcience*. MCM2011 is organized under the auspices of the [SMF](#) (French Mathematical Society), [CIE](#) (Computability in Europe), [ESMA](#) (European Society for Mathematics and Arts) and with the financial support of [CNRS](#) (French National Center for Scientific Research).

We welcome original and high quality contributions – including research papers, invited sessions or panels and tutorials – in all areas related to the mission of the *Society of Mathematics and Computation in Music* (see <http://www.smcm-net.info/>).

The list of topics includes (but is not limited to):

- *Mathematical models of the pitch space*
- *Mathematical models of rhythm*
- *Mathematical theory of musical gestures*
- *Logical aspects of music theory, analysis and composition*
- *Computer-aided models of music theory, analysis, composition, performance and improvisation*
- *Perceptive and cognitive approaches in mathematics and music*
- *Philosophy of mathematics and music.*

To promote objectivity and fairness in judging research paper contributions, the peer review process will be double-blind. The Proceedings of the conference will be published by Springer in the *Communications in Computer and Information Science* Series. Registration fees for the conference will be fixed soon (about 70-100 euros, including a copy of the Proceedings by Springer).

List of the members belonging to the Scientific Committee:

Carlos Agon, IRCAM/CNRS, France
Jean-Paul Allouche, CNRS, Paris 6, France
Emmanuel Amiot, CPGE, France
Christina Anagnostopoulou, University of Athens, Greece
Moreno Andreatta, IRCAM/CNRS, France
Gerard Assayag, IRCAM/CNRS, France
John Baez, Centre for Quantum Technologies, Singapore

Jean Bresson, IRCAM/CNRS, France
Chantal Buteau, Brock University, Canada
Norman Carey, CUNY - Graduate Center, USA
Carmine Emanuele Cella, University of Bologna, Italy
Marc Chemillier, EHESS, France
Elaine Chew, University of Southern California, USA
Adrian Childs, University of Georgia, USA
Ching-Hua Chuan, University of North Florida, USA
David Clampitt, Ohio State University, USA
Richard Cohn, Yale University, USA
Eoin Coleman, University of East Anglia, Norwich, UK
Darrell Conklin, Universidad del País Vasco, San Sebastián, Spain
Arshia Cont, IRCAM/CNRS, France
Shlomo Dubnov, Music, UCSD, USA
Morwaread Mary Farbood, New York University, USA
Davide L. Ferrario, University of Milano-Bicocca, Italy
Thomas Fiore, University of Michigan-Dearborn, USA
Alexandre Francois, Harvey Mudd College, USA
Harald Friepertinger, Karl-Franzens-Universität Graz, Austria
Daniele Ghisi, IRCAM, France
Jean-Louis Giavitto, CNRS, France
Rachel Hall, Saint Joseph's University, USA
Xavier Hascher, Université de Strasbourg, France
Francisco Herrera, Escuela Normal Superior de México, Mexico
Aline Honingh, University of Amsterdam, Netherlands
Keiji Hirata, NTT Communication Science Laboratories, Kyoto, Japan
Ozgur Izmirlı, Connecticut College USA
Franck Jedrzejewski, CEA, France
Christian Kassel, CNRS & Université de Strasbourg, France
Catherine Losada, University of Cincinnati, USA
John Mandereau, University of Pisa/IRCAM, Italy
Guerino Mazzola, University of Minnesota, USA
Teresa Nakra, The College of New Jersey, USA
Catherine Nolan, University of Western Ontario, Canada
Thomas Noll, TU-Berlin/ESMuC, Germany/Spain
Angelo Orcalli, University of Udine, Italy
Yann Orlarey, Grame, Lyon, France
Athanasios Papadopoulos, CNRS & Université de Strasbourg, France
Richard Parncutt, University of Graz, Austria
Robert Peck, Louisiana State University, USA
Alberto Pinto, Università degli Studi di Milano / Stanford, Italy / USA
Miller Puckette, UCSD, USA
Ian Quinn, Yale University, USA
John Rahn, University of Washington at Seattle, USA
André Riotte, composer, France
Craig Sapp, Stanford University, USA
Sylviane Schwer, LIPN (CNRS UMR7030 & UP), France
Godfried Toussaint, Harvard University, USA
Peter Van Roy, Université catholique de Louvain, Belgium
Anja Volk, University of Utrecht, Netherlands
Geraint Wiggins, Goldsmiths College, University of London, UK
Jonathan Wild, McGill University, Canada

*** Submission Guidelines ***

Please read the paper submission guidelines carefully, as these instructions combine practices in the humanities and science/engineering traditions.

1. Papers

Submissions are to come in the form of complete papers, rather than proposals for work to be completed later. All papers will be judged according to their novelty, content, presentation, and contribution to the field. Paper submissions should satisfy the following conditions:

- submission must consist of original contributions not previously published, and not currently being considered for publication elsewhere
- formatting must comply with guidelines and templates available on the "[submissions](#)" section of the conference webpage
- maximum length of the paper is 3,000 words (i.e. 15 pages). Take the requirement to mean that the paper should not exceed 3000 words (excluding the abstract), and also should not exceed 15 pages (including the figures).
- graphics, if any, should preferably be embedded in the text; they may also be appended at the end on supplementary pages
- papers should be prefaced by a 150 to 200-word abstract; this is not included in the word count for the submission

Papers should be submitted through the MCM 2011 [OpenConf system](#). All submissions will be subject to double-blind peer review. Submitters may be asked to respond to initial reviews during the last week of February. Authors of accepted papers will be notified no later than March 4, and must submit final revisions, camera ready, by March 19. At least one author must register for the conference before submitting the camera-ready version. In order to have an idea of the number of submitted papers, we kindly invite the potential authors to put ASAP some general information (title of the paper, name of the author(s), organization, etc.) in the OpenConf system. All these information can be changed once you decide to submit updated versions of your paper.

2. Panels

Panels should offer lively and provocative discussions on topics of particular interest to the community. Rather than offering a series of paper presentations, panel sessions should be structured so as to engage the audience in thoughtful and constructive dialogue with the panelists. Submissions should be emailed to mcm2011-panels@ircam.fr as pdf files containing a 1-2 page abstract providing :

- the topic and issues to be discussed,
- short biographies of the moderator and panelists, and
- any special requirements.

3. Tutorials

Tutorials should concentrate on a single topic, and last approximately 3 hours, including a break. Submissions should be emailed to mcm2011-tutorials@ircam.fr as pdf files containing a 1-2 page abstract with the following details:

- an outline of the tutorial topic,
- the intended and expected audience,
- short biography of the presenter(s), and
- any special requirements.

We look forward to seeing you in Paris,

MCM 2011 Organization Committee

Carlos Agon, IRCAM
Emmanuel Amiot, CPGE, Perpignan
Moreno Andreatta, IRCAM/CNRS
G rard Assayag, IRCAM
Jean Bresson, IRCAM

