Preface

It is our great pleasure to welcome you to the 17th Conference of the International Society for Music Information Retrieval (ISMIR 2016). The annual ISMIR conference is the world's leading research forum on processing, analyzing, searching, organizing, and accessing music-related data. This year's conference, which takes place in New York City, USA, from August 7 to 11, 2016, is organized by New York University and Columbia University.

The present volume contains the complete manuscripts of all the peer-reviewed papers presented at ISMIR 2016. A total of 287 submissions were received before the deadline, out of which 238 complete and well-formatted papers entered the review process. Special care was taken to assemble an experienced and interdisciplinary review panel including people from many different institutions worldwide. As in previous years, the reviews were double-blinded (i.e., both the authors and the reviewers were anonymous) with a two-tier review model involving a pool of 283 reviewers, including a program committee of 59 members. Each paper was assigned to a PC member and three reviewers. Reviewer assignments were based on topic preferences, bids, and PC member assignments. After the review phase, PC members and reviewers entered a (name-disclosed) discussion phase aiming to homogenize acceptance vs. rejection decisions.

In 2015, the size of the program committee was increased substantially, and we continued using this structure, with 59 program committee members this year. Taking care of four submissions on average, the PC members were asked to adopt an active role in the review process by conducting an intensive discussion phase with the other reviewers and by providing a detailed meta-review. Final acceptance decisions were based on 955 reviews and meta-reviews. From the 238 reviewed papers, 113 papers were accepted resulting in an acceptance rate of 47.5%. The table shown on the next page summarizes the ISMIR publication statistics over its history.

The mode of presentation of the papers was determined after the accept/reject decisions and has no relation to the quality of the papers or to the number of pages allotted in the proceedings. From the 113 contributions, 25 papers were chosen for oral presentation based on the topic and broad appeal of the work, whereas the other 88 were chosen for poster presentation. Oral presentations have a 20-minute slot (including setup and questions/answers from the audience) whereas poster presentations are done in two sessions per day, the same posters being presented in the morning and in the afternoon of a given conference day.

Year	Location	Oral	Poster	Total Papers	Total Pages	Total Authors	Unique Authors	Pages / Paper	Authors / Paper	Unique Authors/ Paper
2000	Plymouth	19	16	35	155	68	63	4.4	1.9	1.8
2001	Indiana	25	16	41	222	100	86	5.4	2.4	2.1
2002	Paris	35	22	57	300	129	117	5.3	2.3	2.1
2003	Baltimore	26	24	50	209	132	111	4.2	2.6	2.2
2004	Barcelona	61	44	105	582	252	214	5.5	2.4	2
2005	London	57	57	114	697	316	233	6.1	2.8	2
2006	Victoria	59	36	95	397	246	198	4.2	2.6	2.1
2007	Vienna	62	65	127	486	361	267	3.8	2.8	2.1
2008	Philadelphia	24	105	105	630	296	253	6	2.8	2.4
2009	Kobe	38	85	123	729	375	292	5.9	3	2.4
2010	Utrecht	24	86	110	656	314	263	6	2.	2.4
2011	Miami	36	97	133	792	395	322	6	3	2.4
2012	Porto	36	65	101	606	324	264	6	3.2	2.6
2013	Curitiba	31	67	98	587	395	236	5.9	3	2.4
2014	Taipei	33	73	106	635	343	271	6	3.2	2.6
2015	Málaga	24	90	114	792	370	296	7	3.2	2.6
2016	**New York**	**25**	**88**	**113**	**781**	**344**	**269**	**6.9**	**3.0**	**2.4**

The ISMIR 2016 conference runs for a 5-day period. The selected submissions are presented over a period of 3.5 days, preceded by a day of tutorials and followed by half a day of late‑breaking/demo & unconference sessions. Moreover, this year the conference offers four satellite events before and after the main conference: The ISMIR Think Tank, Hacking on Music and Audio Research (HAMR), as well as workshops on Cognitively Based Music Informatics Research (CogMIR), and Digital Libraries for Musicology (DLfM). We believe this is an exciting and engaging program reflecting the breadth and depth of activities across our community.

Tutorials

Six tutorials take place on Sunday, providing a good balance between culture and technology. Three 3‑hour tutorials are presented in parallel on Sunday morning, and three in parallel on Sunday afternoon.

Morning sessions:
- Tutorial 1: Jazz solo analysis between music information retrieval, music psychology, and jazz research (Jakob Abeßer, Klaus Frieler, Wolf-Georg Zaddach)
- Tutorial 2: Music Information Retrieval: Overview, Recent Developments and Future Challenges (Emilia Gómez, Markus Schedl, Xavier Serra, Xiao Hu)
- Tutorial 3: Why is studio production interesting? (Emmanuel Deruty, François Pachet)

Afternoon sessions:
- T4: Introduction to EEG Decoding for Music Information Retrieval Research (Sebastian Stober, Blair Kaneshiro)
- T5: Natural Language Processing for MIR (Sergio Oramas, Luis Espinosa-Anke, Shuo Zhang, Horacio Saggion)
- T6: Why Hip-Hop is interesting (Jan Van Balen, Ethan Hein, Dan Brown)

Keynote Speakers

We are honored to have two distinguished keynote speakers:

- Barbara Haws, Archivist and Historian, New York Philharmonic
- Beth Logan, PhD, VP, Optimization, DataXu

MIREX

The Music Information Retrieval Evaluation eXchange (MIREX) is a collective effort to evaluate cutting-edge methods for various MIR tasks. Since 2005, MIREX has been an integral part of ISMIR. This year, ISMIR features the following MIREX-related events:

- ~~Plenary summary of tasks and results of MIREX 2015~~
- ~~Report of the "Grand Challenge 2015: User Experience" (GC15UX)~~
- ~~Plenary discussion of MIREX 2016 and GC16UX~~
- ~~Poster session of MIREX 2015 participants~~

Late-Breaking/Demo & Unconference

Thursday afternoon is dedicated to late-breaking papers and MIR system demonstrations. Abstracts for these presentations are available online. Moreover, as in previous years, we

have a special "unconference" session in which participants break up into smaller groups to discuss MIR issues of particular interest. This is an informal and informative opportunity to get to know peers and colleagues from all around the world.

Possibly include blurbs for: Think Tank, HAMR, Cognitively based Music Informatics Research (CogMIR), Digital Libraries for Musicology (DLfM)

Social Events

ISMIR 2016 not only offers interesting papers, posters, and tutorials, but also aims at giving the participants an unforgettable stay. The social program provides participants with an opportunity to relax after meetings, to experience New York, and to network with other ISMIR participants. The social program includes:

- Monday, August 8, Welcome reception at Houston Hall.
- Tuesday, August 9: ISMIR 2016 Pandora jam session at DROM.
- Wednesday August 10: Banquet dinner at Brooklyn Bowl.

Host city

[Insert blurb about NYC, collaboration, seeing different music-relevant points of interest]

Acknowledgments

We are very proud to present to you the proceedings of ISMIR 2016. The conference program was made possible thanks to the hard work of many people including the members of the local organization team, the many reviewers, the meta-reviewers from the program committee, and the members of the conference committee. Special thanks go to this year's partners:

- Diamond Partners:
  - **Amazon Music**
  - Bose Corporation
  - Gracenote
  - **National Science Foundation, via award IIS-1646882**
  - Pandora
  - Smule
  - **Spotify**
  - Steinberg Media Technologies GmbH

- Platinum Partners:
  - Google, Inc
  - **Harmonix Music Systems**

- Gold Partners:
  - ACRCloud - Automatic Content Recognition Cloud Service
  - Native Instruments GmbH
  - **Yandex**

- Silver Partners:
  - Shazam

Last, but not least, the ISMIR program is possible only thanks to the excellent contributions of our community in response to our call for participation. The biggest acknowledgment goes to you, the authors, researchers and participants of this conference. We hope you all have a wonderful and unforgettable stay in Spain!

Juan Pablo Bello
Dan Ellis
General Chairs, ISMIR 2016

Johanna Devaney
Douglas Turnbull
George Tzanetakis
Program Chairs, ISMIR 2016