**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.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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**