

## Final Program

Day 1 - January 24, 2019	Day 2 - January 25, 2019
<b>Registration</b> 9.00 – 9.30	<b>Registration</b> 9.00 – 9.30
<b>Opening</b> 9.30 – 10.00	<b>Paper Session 3 – “Methods”</b> 9.30 – 11.30
<b>Paper Session 1 – “Representations”</b> 10.00 – 11.30	
<b>Coffee Break</b> 11.30 – 12.00	<b>Coffee Break</b> 11.30 – 12.00
<b>Panel 1 – “IEEE 1599: History, Technical Notes, Demos”</b> 12.00 – 13.00	<b>Keynote – “Multimodal Man-Machine Interfaces for Music Interaction”</b> 12.00 – 13.00
<b>Lunch</b> 13.00 – 14.30	<b>Lunch</b> 13.00 – 14.30
<b>Paper Session 2 – “Applications”</b> 14.30 – 16.00	<b>Panel 2 – “IEEE 1599: Goals of the New PAR WG_1599”</b> 14.30 – 15.30
	<b>Coffee Break</b> 11.30 – 12.00
<b>Presentation of LIM’s Research Activities and Development of Synergies</b> 16.00 – 17.00	<b>Panel 3 – “IEEE 1599: Structure of the Working Group, Draft of Workplan”</b> 16.00 – 17.00
	<b>Closing</b> 17.00 – 17.30



## Day 1 - January 24, 2019

**Opening** ..... 9.30 – 10.00

**Paper Session 1 – “Representations”** .....10.00 – 11.30

Session chair: Mark Sandler

Requirements for a File Format for Smart Musical Instruments

*Luca Turchet, Panos Kudumakis*

*Queen Mary University of London*

Multimodal Collaborative Music Information Processing and Retrieval: Survey and Future Challenges

*Federico Simonetta, Stavros Ntalampiras, Federico Avanzini*

*University of Milan*

Three-Dimensional Mapping of High-Level Music Features for Music Browsing

*Stefano Cherubin, Clara Borrelli, Michele Buccoli, Massimiliano Zanoni, Augusto Sarti, Stefano Tubaro*

*Politecnico di Milano*

State of the Art and Perspectives in Multi-Layer Formats for Music Representation

*Adriano Baratè, Goffredo Haus, Luca Andrea Ludovico*

*University of Milan*

**Coffee Break** .....11.30 – 12.00

**Panel 1 – “IEEE 1599: History, Technical Notes, Demos”** .....12.00 – 13.00

History of IEEE 1599

*Goffredo Haus*

*University of Milan*

Technical Notes

*Luca A. Ludovico*

*University of Milan*

Demos

*Adriano Baratè*

*University of Milan*

**Lunch** .....13.00 – 14.30



**Paper Session 2 – “Applications”** .....14.30 – 16.00

Session chair: Stavros Ntalampiras

Heretic: Modeling Anthony Braxton's Language Music

*Hunter Brown, Michael Casey*

*Dartmouth College*

A Multilayered Approach to Automatic Music Generation and Expressive Performance

*Filippo Carnovalini, Antonio Rodà*

*Università degli Studi di Padova*

Semantic Web Technology for New Experiences throughout the Music Production-  
Consumption Chain

*Mark Sandler<sup>1</sup>, Steve Benford<sup>2</sup>, David De Roure<sup>3</sup>, Kevin Page<sup>3</sup>*

*<sup>1</sup>Queen Mary University of London, <sup>2</sup>University of Nottingham, <sup>3</sup>University of Oxford*

Automated Analysis of Postural and Movement Qualities of Violin Players

*Erica Volta, Gualtiero Volpe*

*DIBRIS, University of Genova*

**Presentation of LIM's Research Activities and Development of Synergies** .....16.00 – 17.00

**Social Dinner** ..... 20.00

**Day 2 - January 25, 2019**

<b>Paper Session 3 – “Methods”</b> .....	9.30 – 11.30
Session chair: Davide Rocchesso	
Improving Singing Voice Separation Using Attribute-Aware Deep Network <i>Rupak Vignesh Swaminathan<sup>1</sup>, Alexander Lerch<sup>2</sup></i> <sup>1</sup> Amazon.com, Inc, <sup>2</sup> Georgia Institute of Technology	
On the Use of U-Net for Dominant Melody Estimation in Polyphonic Music <i>Guillaume Doras<sup>1</sup>, Philippe Esling<sup>2</sup>, Geoffroy Peeters<sup>3</sup></i> <sup>1</sup> Sacem, <sup>2</sup> Ircam, <sup>3</sup> Telecom ParisTech	
Chroma Interval Content as a Key-Independent Harmonic Progression Feature <i>Marcelo Queiroz, Rodrigo Borges</i> University of São Paulo	
The Effect of Explicit Structure Encoding of Deep Neural Networks for Symbolic Music Generation <i>Ke Chen<sup>1,4</sup>, Weilin Zhang<sup>4,2</sup>, Shlomo Dubnov<sup>3</sup>, Gus Xia<sup>4</sup>, Wei Li<sup>1</sup></i> <sup>1</sup> Fudan University, <sup>2</sup> University of Illinois Urbana Champaign, <sup>3</sup> University of California San Diego, <sup>4</sup> NYU Shanghai	
Multi-Task Learning for Polyphonic Piano Transcription, a Case Study <i>Rainer Kelz<sup>1</sup>, Sebastian Böck<sup>1</sup>, Gerhard Widmer<sup>2</sup></i> <sup>1</sup> The Austrian Research Institute for Artificial Intelligence (OFAI), <sup>2</sup> Johannes Kepler University Linz	
<b>Coffee Break</b> .....	11.30 – 12.00
<b>Keynote – “Multimodal Man-Machine Interfaces for Music Interaction”</b> .....	12.00 – 13.00
<i>Antonio Camurri</i> Università degli Studi di Genova	
<b>Lunch</b> .....	13.00 – 14.30
<b>Panel 2 – “IEEE 1599: Goals of the New PAR WG_1599”</b> .....	14.30 – 15.30
The New PAR and Its Goals <i>Goffredo Haus</i> University of Milan	
Discussion	
<b>Coffee Break</b> .....	15.30 – 16.00
<b>Panel 3 – “IEEE 1599: Structure of the Working Group, Draft of Workplan”</b> .....	16.00 – 17.00
<b>Closing</b> .....	17.00 – 17.30