# Saturday, November 4

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| **Time** | **Session** | **Venue** |
| 9 am – 5 pm | **Workshop on Reading Music Systems (WoRMS)** | Building 16B via Bonardi 9, 20133 Milano  **Room**: **16.B.01** |
| 2 pm – 6:45 pm | **Sound Demixing Workshop** | Building 2 piazza Leonardo da Vinci 32 20133 Milano  **Room**: **2.1.1** |

# Sunday, November 5

**Address:** Building 13 via Bonardi 9, 20133 Milano

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| **Time** | **Session** | **Venue** |
| 8am – 9 am | **Registration** | **Registration hall, ground floor** |
| 9am –11 am | **Morning Tutorials** | **T1.1, T1.2, T1.3, (first floor)** |
|  | **Analysing Physiological Data Collected During Music Listening: An Introduction**  Laura Bishop, University of Oslo  Geoffray Bonnin, Université de Lorraine  Jérémy Frey, Ullo | **T1.1** |
|  | **Introduction to Differentiable Audio Synthesizer Programming**  Ben Hayes, Jordie Shier, Chin-Yun Yu, David Südholt, Rodrigo Diaz, Centre for Digital Music, Queen Mary University of London r.diazfernandez@qmul.ac.uk | **T1.2** |
|  | **Transformer-based Symbolic Music Generation: Fundamentals to Advanced Concepts, Stylistic Considerations, Conditioning Mechanisms and Large Language Models** Berker Banar, Pedro Sarmento, Queen Mary University of London  Sara Adkins, INFINITE ALBUM | **T1.3** |
| 11 am – 11:30 am | **Break** | **Main Hall, Ground Floor** |
| 11:30am –1 pm | **Morning Tutorials Part 2 (Reprise)**  Reprise | T1.1**,** T1.2, T.13, (first floor) |
| 1 pm – 2:30 pm | **Lunch** | Main Hall, Ground Floor |
| 2:30 pm – 5 pm | **Afternoon Tutorials** | T1.1, T1.2, T.13, (first floor) |
|  | **Computer-Assisted Music-Making Systems: Taxonomy, Review, and Coding**  Christodoulos Benetatos, Zhiyao Duan, University of Rochester  Philippe Pasquier, Simon Fraser University | **T1.1** |
|  | **Learning with Music Signals: Technology Meets Education**  Meinard Müller, International Audio Laboratories Erlangen, Erlangen, Germany | **T1.2** |
|  | **Kymatio: Deep Learning meets Wavelet Theory for Music Signal Processing**  Cyrus Vahidi  Christopher Mitcheltree, Centre for Digital Music, Queen Mary University of London, United Kingdom  Vincent Lostanlen, LS2N, CNRS, Nantes Université, France | **T1.3** |
| 5 pm – 5:30 pm | **Break** | Main Hall, Ground Floor |
| 5:30 pm – 6:30 pm | **Afternoon Tutorials Part 2 (Reprise)** | T1.1, T1.2, T.13, (first floor) |

**Address:** Building 1 Piazza Leonardo da Vinci 32, Milano

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| 8 pm – 10 pm | **Welcome Reception Concert** | Rector building hall |

# Monday, November 6

**Address:** Building 13 Via Bonardi 9, 20133 Milano

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| **Time** | **Session** | **Venue** |
| 8 am – 9 am | **Registration** | Registration hall, ground floor |
| 9 am – 9:30 am | **Opening** | Lecture room, second floor |
| 9:30 am – 10:30 am | **Keynote**  **Help! - Bridging the Gap Between Music Technology and Diverse Stakeholder Needs**  Christine Bauer | Lecture room, second floor |
|  | **Paper Session 1**  **Chair: Cynthia Liem** |  |
| 10:30 am – 11:40 am | **Oral** | Lecture room, second floor |
| 11:40 am - 12 pm | **Break** | Main hall, ground floor |
| 12 pm - 1:15 pm | **Poster** | Poster hall, first floor |
|  | **Exploring the correspondence of melodic contour with gesture in raga alap singing** Shreyas M Nadkarni (Indian Institute of Technology Bombay); Sujoy Roychowdhury (Indian Institute of Technology Bombay); Preeti Rao (Indian Institute of Technology Bombay)\*; Martin Clayton (Durham University) | **Poster Board #1** |
|  | **TriAD: Capturing harmonics with 3D Convolutions** Miguel Perez Fernandez (Universitat Pompeu Fabra; Huawei)\*; Holger Kirchhoff (Huawei); Xavier Serra (Universitat Pompeu Fabra ) | **Poster Board #2** |
|  | **Data Collection in Music Generation Training Sets: A Critical Analysis** Fabio Morreale (University of Auckland)\*; Megha Sharma (University of Tokyo); I-Chieh Wei (University of Auckland) | **Poster Board #3** |
|  | **A Review of Validity and its Relationship to Music Information Research** Bob L. T. Sturm (KTH Royal Institute of Technology); Arthur Flexer (Johannes Kepler University Linz)\* | **Poster Board #4** |
|  | **Segmentation and Analysis of Taniavartanam in Carnatic Music Concerts** Gowriprasad R (IIT Madras)\*; Srikrishnan Sridharan (Carnatic Percussionist); R Aravind (Indian Institute of Technology Madras); Hema A Murthy (IIT Madras) | **Poster Board #5** |
|  | **Transfer Learning and Bias Correction with Pre-trained Audio Embeddings**  **Changhong Wang (Telecom Paris, Institut polytechnique de Paris)\*; Gaël Richard (Telecom Paris, Institut polytechnique de Paris); Brian McFee (New York University)** | **Poster Board #6** |
|  | **Collaborative Song Dataset (CoSoD): An annotated dataset of multi-artist collaborations in popular music** Michèle Duguay (Harvard University)\*; Kate Mancey (Harvard University); Johanna Devaney (Brooklyn College) | **Poster Board #7** |
|  | **Human-AI Music Creation: Understanding the Perceptions and Experiences of Music Creators for Ethical and Productive Collaboration** Michele Newman (University of Washington)\*; Lidia J Morris (University of Washington); Jin Ha Lee (University of Washington) | **Poster Board #8** |
|  | **Impact of time and note duration tokenizations on deep learning symbolic music modeling** Nathan Fradet (LIP6 - Sorbonne University)\*; Nicolas Gutowski (University of Angers); Fabien Chhel (Groupe ESEO); Jean-Pierre Briot (CNRS) | **Poster Board #9** |
|  | **Musical Micro-Timing for Live Coding** Max Johnson (University of Cambridge); Mark R H Gotham (Durham)\* | **Poster Board #10** |
|  | **A Few-shot Neural Approach for Layout Analysis of Music Score Images** Francisco J. Castellanos (University of Alicante)\*; Antonio Javier Gallego (Universidad de Alicante); Ichiro Fujinaga (McGill University) | **Poster Board #11** |
|  | **TapTamDrum: A Dataset for Dualized Drum Patterns** Behzad Haki (Universitat Pompeu Fabra)\*; Błażej Kotowski (MTG); Cheuk Lun Isaac Lee (Universitat Pompeu Fabra ); Sergi Jordà (Universitat Pompeu Fabra) | **Poster Board #12** |
|  | **Real-time Percussive Technique Recognition and Embedding Learning for the Acoustic Guitar** Andrea Martelloni (Queen Mary University of London)\*; Andrew McPherson (QMUL); Mathieu Barthet (Queen Mary University of London) | **Poster Board #13** |
|  | **IteraTTA: An interface for exploring both text prompts and audio priors in generating music with text-to-audio models** Hiromu Yakura (University of Tsukuba)\*; Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) | **Poster Board #14** |
|  | **Similarity evaluation of violin directivity patterns for musical instrument retrieval** Mirco Pezzoli (Politecnicno di Milano)\*; Raffaele Malvermi (Politecnico di Milano); Fabio Antonacci (Politecnico di Milano); Augusto Sarti (Politecnico di Milano) | **Poster Board #15** |
|  | **Polyrhythmic modelling of non-isochronous and microtiming patterns** George Sioros (University of Plymouth)\* | **Poster Board #16** |
| 1:15 - 2:30 pm | **Lunch** | Main hall, ground floor |

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|  | **Paper Session 2**  **Chair: Keunwoo Choi** |  |
| 2:30 pm – 3:40 pm | **Oral** | Lecture room, second floor |
| 3:40 pm – 5 pm | **Poster** | Poster hall, first floor |
| 5 pm – 5:30 pm | **Break** | Main hall, ground floor |
|  | **CLaMP: Contrastive Language-Music Pre-training for Cross-Modal Symbolic Music Information Retrieval**  Shangda Wu (Central Conservatory of Music); Dingyao Yu (Peking University); Xu Tan (Microsoft Research Asia); Maosong Sun (Tsinghua University)\* | **Poster Board #1** |
|  | **Gender-coded sound: Analysing the gendering of music in toy commercials via multi-task learning** Luca Marinelli (Queen Mary University of London)\*; George Fazekas (QMUL); Charalampos Saitis (Queen Mary University of London) | **Poster Board #2** |
|  | **A dataset and Baselines for Measuring and Predicting the Music Piece Memorability** Li-Yang Tseng (National Yang Ming Chiao Tung University); Tzu-Ling Lin (National Yang Ming Chiao Tung University); Hong-Han Shuai (National Yang Ming Chiao Tung University)\*; JEN-WEI HUANG (NYCU); Wen-Whei Chang (National Yang Ming Chiao Tung University) | **Poster Board #3** |
|  | **Efficient Notation Assembly in Optical Music Recognition** Carlos Penarrubia (University of Alicante); Carlos Garrido-Munoz (University of Alicante); Jose J. Valero-Mas (Universitat Pompeu Fabra); Jorge Calvo-Zaragoza (University of Alicante)\* | **Poster Board #4** |
|  | **White Box Search over Audio Synthesizer Parameters** Yuting Yang (Princeton University)\*; Zeyu Jin (Adobe Research); Adam Finkelstein (Princeton University); Connelly Barnes (Adobe Research) | **Poster Board #5** |
|  | **Decoding drums, instrumentals, vocals, and mixed sources in music using human brain activity with fMRI** Vincent K.M. Cheung (Sony Computer Science Laboratories, Inc.)\*; Lana Okuma (RIKEN); Kazuhisa Shibata (RIKEN); Kosetsu Tsukuda (National Institute of Advanced Industrial Science and Technology (AIST)); Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)); Shinichi Furuya (Sony Computer Science Laboratories Inc.) | **Poster Board #6** |
|  | **Dual Attention-based Multi-scale Feature Fusion Approach for Dynamic Music Emotion Recognition** Liyue Zhang ( Xi’an Jiaotong University)\*; Xinyu Yang (Xi’an Jiaotong University); Yichi Zhang (Xi’an Jiaotong University); Jing Luo (Xi’an Jiaotong University) | **Poster Board #7** |
|  | **Automatic Piano Transcription with Hierarchical Frequency-Time Transformer** Keisuke Toyama (Sony Group Corporation)\*; Taketo Akama (Sony CSL); Yukara Ikemiya (Sony Research); Yuhta Takida (Sony Group Corporation); WeiHsiang Liao (Sony Group Corporation); Yuki Mitsufuji (Sony Group Corporation) | **Poster Board #8** |
|  | **High-Resolution Violin Transcription using Weak Labels** Nazif Can Tamer (Universitat Pompeu Fabra)\*; Yigitcan Özer (International Audio Laboratories Erlangen); Meinard Müller (International Audio Laboratories Erlangen); Xavier Serra (Universitat Pompeu Fabra ) | **Poster Board #9** |
|  | **Polyffusion: A Diffusion Model for Polyphonic Score Generation with Internal and External Controls** Lejun Min (Shanghai Jiao Tong University)\*; Junyan Jiang (New York University Shanghai); Gus Xia (New York University Shanghai); Jingwei Zhao (National University of Singapore) | **Poster Board #10** |
|  | **The Coordinated Corpus of Popular Musics (CoCoPops): A Meta-Dataset of Melodic and Harmonic Transcriptions** Claire Arthur (Georgia Institute of Technology)\*; Nathaniel Condit-Schultz (Georgia Institute of Technology) | **Poster Board #11** |
|  | **Towards computational music analysis for music therapy** Anja Volk (Utrecht University)\*; Tinka Veldhuis (Utrecht University); Katrien Foubert (LUCA School of Arts); Jos De Backer (LUCA School of Arts) | **Poster Board #12** |
|  | **Timbre Transfer using Image-to-Image Denoising Diffusion Implicit Models** Luca Comanducci (Politecnico di Milano)\*; Fabio Antonacci (Politecnico di Milano); Augusto Sarti (Politecnico di Milano) | **Poster Board #13** |
|  | **Correlation of EEG responses reflects structural similarity of choruses in popular music** Neha Rajagopalan (Stanford University)\*; Blair Kaneshiro (Stanford University) | **Poster Board #14** |
|  | **Chromatic Chords in Theory and Practice** Mark R H Gotham (Durham)\* | **Poster Board #15** |
| 5:30 pm - 6:30 pm | **Inclusion Session** | Lecture room, second floor |
| 6:30 pm - 7:30 pm | **Inclusion Meetup** | Main hall, ground floor |

# Tuesday, November 7

**Address:** Building 13 Via Bonardi 9, 20133 Milano

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| **Time** | **Session** | **Venue** |
| 8 am – 9 am | **Registration** | Registration hall, ground floor |
| 9 am – 10am | **Keynote**  **Seeing the light through music, a blind man’s journey of discovery through audio and how to navigate making music that speaks to the world in the age of the Screen Driven universe.**  Joey Stuckey | Lecture room, second floor |
|  | **Paper Session 3**  **Chair: TBD** |  |
| 10 am – 11:10 am | **Oral** | Lecture room, second floor |
| 11:10 am – 11:30 am | **Break** | Main hall, ground floor |
| 11:30 am - 1 pm | **Poster** | Poster hall, first floor |
|  | **BPS-Motif: A Dataset for Repeated Pattern Discovery of Polyphonic Symbolic Music**  YO-WEI HSIAO (Academia Sinica); TZU-YUN Hung (National Taiwan Normal University); Tsung-Ping Chen (Academia Sinica); Li Su (Academia Sinica) | **Poster Board #1** |
|  | **Weakly Supervised Multi-Pitch Estimation Using Cross-Version Alignment**  Michael Krause (International Audio Laboratories Erlangen)\*; Sebastian Strahl (International Audio Laboratories Erlangen); Meinard Müller (International Audio Laboratories Erlangen) | **Poster Board #2** |
|  | **The Batik-plays-Mozart Corpus: Linking Performance to Score to Musicological Annotations**  Patricia Hu (Johannes Kepler University)\*; Gerhard Widmer (Johannes Kepler University) | **Poster Board #3** |
|  | **Mono-to-stereo through parametric stereo generation**  Joan Serra (Dolby Laboratories)\*; Davide Scaini (Dolby Laboratories); Santiago Pascual (Dolby Laboratories); Daniel Arteaga (Dolby Laboratories); Jordi Pons (Dolby Laboratories); Jeroen Breebaart (Dolby Laboratories); Giulio Cengarle (Dolby Laboratories) | **Poster Board #4** |
|  | **From West to East: Who can understand the music of the others better?**  Charilaos Papaioannou (School of ECE, National Technical University of Athens)\*; Emmanouil Benetos (Queen Mary University of London); Alexandros Potamianos (National Technical University of Athens) | **Poster Board #5** |
|  | **On the Performance of Optical Music Recognition in the Absence of Specific Training Data**  Juan Carlos Martinez-Sevilla (University of Alicante)\*; Adrián Roselló (Universidad de Alicante); David Rizo (Universidad de Alicante); Jorge Calvo-Zaragoza (University of Alicante) | **Poster Board #6** |
|  | **Composer’s Assistant: An Interactive Transformer for Multi-Track MIDI Infilling**  Martin E Malandro (Sam Houston State University)\* | **Poster Board #7** |
|  | **The FAV Corpus: An audio dataset of favorite pieces and excerpts, with formal analyses and music theory descriptors** Ethan Lustig (Ethan Lustig)\*; David Temperley (Eastman School of Music) | **Poster Board #8** |
|  | **LyricWhiz: Robust Multilingual Lyrics Transcription by Whispering to ChatGPT** Le Zhuo (Beihang University); Ruibin Yuan (CMU)\*; Jiahao Pan (HKBU); Yinghao MA (Queen Mary University of London); Yizhi Li (The University of Sheffield); Ge Zhang (University of Michigan); Si Liu (Beihang University); Roger B. Dannenberg (School of Computer Science, Carnegie Mellon University); Jie Fu (BAAI); Chenghua Lin (University of Sheffield); Emmanouil Benetos (Queen Mary University of London); Wenhu Chen (University of Waterloo); Wei Xue (HKUST); Yike Guo (Hong Kong University of Science and Technology) | **Poster Board #9** |
|  | **Sounds out of place? Score independent detection of conspicouous mistake regions in MIDI piano performances** Alia Morsi (Universitat Pompeu Fabra)\*; Kana Tatsumi (Nagoya Institute of Technology); Akira Maezawa (Yamaha Corporation); Takuya Fujishima (Yamaha Corporation); Xavier Serra (Universitat Pompeu Fabra ) | **Poster Board #10** |
|  | **VampNet: Music Generation via Masked Acoustic Token Modeling** Hugo F Flores Garcia (Northwestern University)\*; Prem Seetharaman (Northwestern University); Rithesh Kumar (Descript); Bryan Pardo (Northwestern University) | **Poster Board #11** |
|  | **Expert and Novice Evaluations of Piano Performances: Criteria for Computer-Aided Feedback** Yucong Jiang (University of Richmond)\* | **Poster Board #12** |
|  | **Contrastive Learning for Cross-modal Artist Retrieval** Andres Ferraro (Pandora/SiriusXM)\*; Jaehun Kim (Pandora / SiriusXM); Andreas Ehmann (Pandora); Sergio Oramas (Pandora/SiriusXM); Fabien Gouyon (Pandora/SiriusXM) | **Poster Board #13** |
|  | **Repetition-Structure Inference with Formal Prototypes** Christoph Finkensiep (EPFL)\*; Matthieu Haeberle (EPFL); Friedrich Eisenbrand (EPFL); Markus Neuwirth (Anton Bruckner Privatuniversität Linz); Martin A Rohrmeier (Ecole Polytechnique Fédérale de Lausanne) | **Poster Board #14** |
|  | **Algorithmic Harmonization of Tonal Melodies using Weighted Pitch Context Vectors** Peter Van Kranenburg (Utrecht University; Meertens Institute)\*; Eoin J Kearns (Meertens Instituut) | **Poster Board #15** |
|  | **Text-to-lyrics generation with image-based semantics and reduced risk of plagiarism** Kento Watanabe (National Institute of Advanced Industrial Science and Technology (AIST))\*; Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) | **Poster Board #16** |
| 1 - 2:30 pm | **Lunch** | Main hall, ground floor |

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|  | **Paper Session 4**  **Chair:** **Sebastian Stober** |  |
| 2:30 pm – 3:30 pm | **Oral** | Lecture room, second floor |
| 3:30 pm – 5 pm | **Poster** | Poster hall, first floor |
| 5 – 5:30 pm | **Break** | Main hall, ground floor |
|  | **LP-MusicCaps: LLM-Based Pseudo Music Captioning**  Seungheon Doh (KAIST)\*; Keunwoo Choi (Gaudio Lab, Inc.); Jongpil Lee (Neutune); Juhan Nam (KAIST) | **Poster Board #1** |
|  | **A Repetition-based Triplet Mining Approach for Music Segmentation**  Morgan Buisson (Telecom-Paris)\*; Brian McFee (New York University); Slim Essid (Telecom Paris - Institut Polytechnique de Paris); Helene-Camille Crayencour (CNRS) | **Poster Board #2** |
|  | **Predicting Music Hierarchies with a Graph-Based Neural Decoder**  Francesco Foscarin (Johannes Kepler University Linz)\*; Daniel Harasim (École Polytechnique Fédérale de Lausanne); Gerhard Widmer (Johannes Kepler University) | **Poster Board #3** |
|  | **Stabilizing Training with Soft Dynamic Time Warping: A Case Study for Pitch Class Estimation with Weakly Aligned Targets** Johannes Zeitler (International Audio Laboratories Erlangen)\*; Simon Deniffel (International Audio Laboratories Erlangen); Michael Krause (International Audio Laboratories Erlangen); Meinard Müller (International Audio Laboratories Erlangen) | **Poster Board #4** |
|  | **Finding Tori: Self-supervised Learning for Analyzing Korean Folk Song** Danbinaerin Han (Sogang Univ.); Rafael Caro Repetto (Kunstuniversität Graz); Dasaem Jeong (Sogang University)\* | **Poster Board #5** |
|  | **Singer Identity Representation Learning using Self-Supervised Techniques** Bernardo Torres (Telecom Paris, Institut polytechnique de Paris)\*; Stefan Lattner (Sony CSL); Gaël Richard (Telecom Paris, Institut polytechnique de Paris) | **Poster Board #6** |
|  | **On the effectiveness of speech self-supervised learning for music** Yinghao MA (Queen Mary University of London)\*; Ruibin Yuan (CMU); Yizhi Li (The University of Sheffield); Ge Zhang (University of Michigan); Chenghua Lin (University of Sheffield); Xingran Chen (University of Michigan); Anton Ragni (University of Sheffield); Hanzhi Yin (Carnegie Mellon University); Emmanouil Benetos (Queen Mary University of London); Norbert Gyenge (Sheffield University); Ruibo Liu (Dartmouth College); Gus Xia (New York University Shanghai); Roger B. Dannenberg (School of Computer Science, Carnegie Mellon University); Yike Guo (Hong Kong University of Science and Technology); Jie Fu (BAAI) | **Poster Board #7** |
|  | **Transformer-based beat tracking with low-resolution encoder and high-resolution decoder** Tian Cheng (National Institute of Advanced Industrial Science and Technology (AIST))\*; Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) | **Poster Board #8** |
|  | **Adding Descriptors to Melodies Improves Pattern Matching: A Study on Slovenian Folk Songs** Vanessa Nina Borsan (Université de Lille)\*; Mathieu Giraud (CNRS, Université de Lille); Richard Groult (Université de Rouen Normandie); Thierry Lecroq (Université de Rouen Normandie ) | **Poster Board #9** |
|  | **How Control and Transparency for Users Could Improve Artist Fairness in Music Recommender Systems** Karlijn Dinnissen (Utrecht University)\*; Christine Bauer (Paris Lodron University Salzburg) | **Poster Board #10** |
|  | **Towards a New Interface for Music Listening: A User Experience Study on YouTube** Ahyeon Choi (Seoul National University)\*; Eunsik Shin (Seoul National University); Haesun Joung (Seoul National University); Joongseek Lee (Seoul National University); Kyogu Lee (Seoul National University) | **Poster Board #11** |
|  | **FiloBass: A Dataset and Corpus Based Study of Jazz Basslines** Xavier Riley (C4DM)\*; Simon Dixon (Queen Mary University of London) | **Poster Board #12** |
|  | **Comparing Texture in Piano Scores** Louis Couturier (MIS, Université de Picardie Jules Verne)\*; Louis Bigo (Université de Lille); Florence Leve (Université de Picardie Jules Verne - Lab. MIS - Algomus) | **Poster Board #13** |
|  | **Introducing DiMCAT for processing and analyzing notated music on a very large scale** Johannes Hentschel (École Polytechnique Fédérale de Lausanne)\*; Andrew McLeod (Fraunhofer IDMT); Yannis Rammos (EPFL); Martin A Rohrmeier (Ecole Polytechnique Fédérale de Lausanne) | **Poster Board #14** |
|  | **Sequence-to-Sequence Network Training Methods for Automatic Guitar Transcription with Tokenized Outputs** Sehun Kim (Nagoya University)\*; Kazuya Takeda (Nagoya University); Tomoki Toda (Nagoya University) | **Poster Board #15** |
| 5:30 – 6:30 pm | **Industry Panel** | Lecture room, second floor |
| 6:30 – 7:30 pm | **Music Session** | Lecture room, second floor |
|  | **M1 Title: Conversations with our Digital Selves: the development of an autonomous music improviser**  Matthew Yee-King (Goldsmiths, University of London) Mark d'Inverno (Goldsmiths, University of London) |  |
|  | **M2 Title: confluyo yo, el ambiente me sigue**  Author: Hugo Flores Garcia (Northwestern University) |  |
|  | **M3 Sliogán: a performance composed for the HITar**  Authors: Andrea Martelloni ( Queen Mary University of London ) Andrew McPherson ( QMUL ), Mathieu Barthet ( Queen Mary University of London ) |  |
|  | **M4 The Words I Tried to Say**  Angela Weihan Ng (University of Glasgow) |  |
|  | **M5 Nor Hope**  Wenbin Lyu |  |
|  | **M6 AI Pianist Performance: Collaboration with Soprano Sumi Jo**  Authors: Taegyun Kwon ( KAIST ), Joonhyung Bae ( KAIST ) Jiyun Park ( KAIST ) Jaeran Choi ( KAIST ) Hyeyoon Cho ( KAIST ) Yonghyun Kim ( KAIST ) Dasaem Jeong ( Sogang University ) Juhan Nam ( KAIST ) |  |

# Wednesday, November 8

**Address:** Building 13 Via Bonardi 9, 20133 Milano

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| **Time** | **Session** | **Venue** |
| 8 am – 9 am | **Registration** | Registration hall, ground floor |
| 9 am – 10am | **Keynote**  **Building & Launching MIR systems at industry scale**  Rachel Bittner | Lecture room, second floor |
|  | **Paper Session 5 Chair: Fabian-Robert Stöter** |  |
| 10 am – 11:10 am | **Oral** | Lecture room, second floor |
| 11:10 am – 11:30 am | **Break** | Main hall, ground floor |
| 11:30 am - 1 pm | **Poster** | Poster hall, first floor |
|  | **PESTO: Pitch Estimation with Self-supervised Transposition-equivariant Objective**  Alain Riou (Télécom Paris, IP Paris, Sony CSL)\*; Stefan Lattner (Sony CSL); Gaëtan Hadjeres (Sony CSL); Geoffroy Peeters (LTCI - Télécom Paris, IP Paris) | **Poster Board #1** |
|  | **The Games We Play: Exploring The Impact of ISMIR on Musicology**  Vanessa Nina Borsan (Université de Lille)\*; Mathieu Giraud (CNRS, Université de Lille); Richard Groult (Université de Rouen Normandie) | **Poster Board #2** |
|  | **Carnatic Singing Voice Separation Using Cold Diffusion on Training Data with Bleeding**  Genís Plaja-Roglans (Music Technology Group)\*; Marius Miron (Universitat Pompeu Fabra); Adithi Shankar (Universitat Pompeu Fabra); Xavier Serra (Universitat Pompeu Fabra ) | **Poster Board #3** |
|  | **Unveiling the Impact of Musical Factors in Judging a Song on First Listen: Insights from a User Survey**  Kosetsu Tsukuda (National Institute of Advanced Industrial Science and Technology (AIST))\*; Tomoyasu Nakano (National Institute of Advanced Industrial Science and Technology (AIST)); Masahiro Hamasaki (National Institute of Advanced Industrial Science and Technology (AIST)); Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) | **Poster Board #4** |
|  | **Towards Building a Phylogeny of Gregorian Chant Melodies**  Jan Hajič, jr. (Charles University)\*; Gustavo Ballen (dos Reis research group, School of Biological and Behavioural Sciences, Queen Mary University of London); Klára Mühlová (Institute of Musicology, Faculty of Arts, Masaryk University); Hana Vlhová-Wörner (Masaryk Institute and Archives, Czech Academy of Sciences) | **Poster Board #5** |
|  | **Audio Embeddings as Teachers for Music Classification**  Yiwei Ding (Georgia Institute of Technology)\*; Alexander Lerch (Georgia Institute of Technology) | **Poster Board #6** |
|  | **ScorePerformer: Expressive Piano Performance Rendering with Fine-Grained Control** Ilya Borovik (Skolkovo Institute of Science and Technology)\*; Vladimir Viro (Peachnote) | **Poster Board #7** |
|  | **Roman Numeral Analysis with Graph Neural Networks: Onset-wise Predictions from Note-wise Features** Emmanouil Karystinaios (Johannes Kepler University)\*; Gerhard Widmer (Johannes Kepler University) | **Poster Board #8** |
|  | **Semi-Automated Music Catalog Curation Using Audio and Metadata** Brian Regan (Spotify)\*; Desislava Hristova (Spotify); Mariano Beguerisse-Díaz (Spotify) | **Poster Board #9** |
|  | **Crowd’s Performance on Temporal Activity Detection of Musical Instruments in Polyphonic Music** Ioannis Petros Samiotis (Delft University of Technology)\*; Alessandro Bozzon (Delft University of Technology); Christoph Lofi (TU Delft) | **Poster Board #10** |
|  | **MoisesDB: A Dataset For Source Separation Beyond 4 Stems** Igor G. Pereira (Moises.AI)\*; Felipe Araujo (Moises.AI); Filip Korzeniowski (Moises.AI); Richard Vogl (moises.ai) | **Poster Board #11** |
|  | **Music as flow: a formal representation of hierarchical processes in music** Zeng Ren (EPFL)\*; Wulfram Gerstner (EPFL); Martin A Rohrmeier (Ecole Polytechnique Fédérale de Lausanne) | **Poster Board #12** |
|  | **Online Symbolic Music Alignment with Offline Reinforcement Learning** Silvan Peter (JKU)\* | **Poster Board #13** |
|  | **InverSinthII: Sound matching via self-supervised synthesizer-proxy and inference-time finetuning** Oren Barkan (Microsoft); Shlomi Shvartzamn (Tel Aviv University ); Noy Uzrad (Tel Aviv University ); Moshe Laufer (Tel Aviv University); Almog Elharar (Tel Aviv University); Noam Koenigstein (Tel Aviv University)\* | **Poster Board #14** |
|  | **A Semi-Supervised Deep Learning Approach to Dataset Collection for Query-by-Humming Task** Amantur Amatov (Higher School of Economics)\*; Dmitry Lamanov (Huawei Noah’s Ark Lab); Maksim Titov (Huawei Noah’s Ark Lab); Ivan Vovk (Huawei Noah’s Ark Lab); Ilya Makarov (AI Center, NUST MISiS); Mikhail Kudinov (Huawei Noah’s Ark Lab) | **Poster Board #15** |
|  | **Towards Improving Harmonic Sensitivity and Prediction Stability for Singing Melody Extraction** Keren Shao (UCSD)\*; Ke Chen (University of California San Diego); Taylor Berg-Kirkpatrick (UCSD); Shlomo Dubnov (UC San Diego) | **Poster Board #16** |
| 1 - 2:30 pm | **Lunch** | Main hall, ground floor |

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|  | **Paper Session 6**  **Chair: Anna Kruspe** |  |
| 2:30 pm – 3:30 pm | **Oral** | Lecture room, second floor |
| 3:30 pm – 5 pm | **Poster** | Poster hall, first floor |
| 5 – 5:30 pm | **Break** | Main hall, ground floor |
|  | **Singing voice synthesis using differentiable LPC and glottal-flow inspired wavetables**  Chin-Yun Yu (Queen Mary University of London)\*; George Fazekas (QMUL) | **Poster Board #1** |
|  | **Harmonic Analysis with Neural Semi-CRF**  Qiaoyu Yang (University of Rochester)\*; Frank Cwitkowitz (University of Rochester); Zhiyao Duan (Unversity of Rochester) | **Poster Board #2** |
|  | **A Dataset and Baseline for Automated Assessment of Timbre Quality in Trumpet Sound**  Ninad Puranik (McGill University ); Alberto Acquilino (McGill University)\*; Ichiro Fujinaga (McGill University); Gary Scavone (McGill University) | **Poster Board #3** |
|  | **Visual Overviews for Sheet Music Structure** Frank Heyen (VISUS, University of Stuttgart)\*; Quynh Quang Ngo (VISUS, University of Stuttgart); Michael Sedlmair (Uni Stuttgart) | **Poster Board #4** |
|  | **Passage Summarization with recurrent models for Audio – Sheet Music Retrieval** Luis Carvalho (Johannes Kepler University)\*; Gerhard Widmer (Johannes Kepler University) | **Poster Board #5** |
|  | **Predicting performance difficulty from piano sheet music images** Pedro Ramoneda (Universitat Pompeu Fabra)\*; Dasaem Jeong (Sogang University); Jose J. Valero-Mas (Universitat Pompeu Fabra); Xavier Serra (Universitat Pompeu Fabra ) | **Poster Board #6** |
|  | **Self-Refining of Pseudo Labels for Music Source Separation with Noisy Labeled Data** Junghyun Koo (Seoul National University); Yunkee Chae (Seoul National University)\*; Chang-Bin Jeon (Seoul National University); Kyogu Lee (Seoul National University) | **Poster Board #7** |
|  | **Quantifying the Ease of Playing Song Chords on the Guitar** Marcel A Vélez Vásquez (University of Amsterdam)\*; Mariëlle Baelemans (University of Amsterdam); Jonathan Driedger (Chordify); Willem Zuidema (ILLC, UvA); John Ashley Burgoyne (University of Amsterdam) | **Poster Board #8** |
|  | **FlexDTW: Dynamic Time Warping With Flexible Boundary Conditions** Irmak Bukey (Pomona College); Jason Zhang (University of Michigan); Timothy Tsai (Harvey Mudd College)\* | **Poster Board #9** |
|  | **Modeling Bends in Popular Music Guitar Tablatures** Alexandre D’Hooge (Université de Lille)\*; Louis Bigo (Université de Lille); Ken Déguernel (CNRS) | **Poster Board #10** |
|  | **Self-Similarity-Based and Novelty-based loss for music structure analysis** Geoffroy Peeters (LTCI - Télécom Paris, IP Paris)\* | **Poster Board #11** |
|  | **Modeling Harmonic Similarity for Jazz Using Co-occurrence Vectors and the Membrane Area** Carey Bunks (Queen Mary University of London)\*; Simon Dixon (Queen Mary University of London); Tillman Weyde (City, University of London); Bruno Di Giorgi (Apple) | **Poster Board #12** |
|  | **SingStyle111: A Multilingual Singing Dataset With Style Transfer**  Shuqi Dai (Carnegie Mellon University)\*; Siqi Chen (University of South California); Yuxuan Wu (Carnegie Mellon University); Roy Huang (Carnegie Mellon University); Roger B. Dannenberg (School of Computer Science, Carnegie Mellon University) | **Poster Board #13** |
|  | **A Computational Evaluation Framework for Singable Lyric Translation** Haven Kim ( KAIST ), Kento Watanabe ( National Institute of Advanced Industrial Science and Technology (AIST) ), Masataka Goto ( National Institute of Advanced Industrial Science and Technology (AIST) ), Juhan Nam ( KAIST ) < juhan.nam@kaist.ac.kr> | **Poster Board #14** |
|  | **Chorus-Playlist: Exploring the Impact of Listening to Only Choruses in a Playlist** Kosetsu Tsukuda (National Institute of Advanced Industrial Science and Technology (AIST))\*; Masahiro Hamasaki (National Institute of Advanced Industrial Science and Technology (AIST)); Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) | **Poster Board #15** |
| 5:30 pm – 6:30 pm | **Panel Session** | Lecture Room, Second Floor |

**Address:** Museo della Scienza e della Tecnica, (use the entrance located in via Olona 6 bis, 20123 Milano)

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| **Time** | **Session** | **Venue** |
| 8 pm – 9:30 pm | **Banquet/ Jazz Concert** | Sala Polene  Sala Biancamano |
| 9 pm– 11 pm | **Jam Session** | Sala Polene  Sala Biancamano |

# Thursday, November 9

**Address:** Building 13 Via Bonardi 9, 20133 Milano

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| **Time** | **Session** | **Venue** |
| 8 am – 9 am | **Registration** | Registration hall, ground floor |
|  | **Paper Session 7  Chair: Alexander Lerch** |  |
| 9 am – 10:10 am | **Oral** | Lecture room, second floor |
| 10:10 am – 11:10 am | **Poster** | Poster hall, first floor |
| 11:10 am – 11:30 am | **Break** | Main hall, ground floor |
|  | **Supporting musicological investigations with information retrieval tools: an iterative approach to data collection** David Lewis (University of Oxford eResearch Centre)\*; Elisabete Shibata (Beethoven-Haus Bonn); Andrew Hankinson (RISM Digital); Johannes Kepper (Paderborn University); Kevin R Page (University of Oxford); Lisa Rosendahl (Paderborn University); Mark Saccomano (Paderborn University); Christine Siegert (Beethoven-Haus Bonn) | **Poster Board #1** |
|  | **Optimizing Feature Extraction for Symbolic Music** Federico Simonetta (Instituto Complutense de Ciencias Musicales)\*; Ana Llorens (Universidad Complutense de Madrid); Martín Serrano (Instituto Complutense de Ciencias Musicales); Eduardo García-Portugués (Universidad Carlos III de Madrid); Álvaro Torrente (Instituto Complutense de Ciencias Musicale - Universidad Complutense de Madrid) | **Poster Board #2** |
|  | **Exploring Sampling Techniques for Generating Melodies with a Transformer Language Model** Mathias Rose Bjare (Johannes Kepler University Linz)\*; Stefan Lattner (Sony CSL); Gerhard Widmer (Johannes Kepler University) | **Poster Board #3** |
|  | **Measuring the Eurovision Song Contest: A Living Dataset for Real-World MIR** John Ashley Burgoyne (University of Amsterdam)\*; Janne Spijkervet (University of Amsterdam); David J Baker (University of Amsterdam) | **Poster Board #4** |
|  | **Efficient Supervised Training of Audio Transformers for Music Representation Learning** Pablo Alonso-Jiménez (Universitat Pompeu Fabra)\*; Xavier Serra (Universitat Pompeu Fabra ); Dmitry Bogdanov (Universitat Pompeu Fabra) | **Poster Board #5** |
|  | **A Cross-Version Approach to Audio Representation Learning for Orchestral Music** Michael Krause (International Audio Laboratories Erlangen)\*; Christof Weiß (University of Würzburg); Meinard Müller (International Audio Laboratories Erlangen) | **Poster Board #6** |
|  | **Music source separation with MLP mixing of time, frequency, and channel** Tomoyasu Nakano (National Institute of Advanced Industrial Science and Technology (AIST))\*; Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) | **Poster Board #7** |
|  | **Symbolic Music Representations for Classification Tasks: A Systematic Evaluation**  Huan Zhang (Queen Mary University of London)\*; Emmanouil Karystinaios (Johannes Kepler University); Simon Dixon (Queen Mary University of London); Gerhard Widmer (Johannes Kepler University); Carlos Eduardo Cancino-Chacón (Johannes Kepler University Linz) | **Poster Board #8** |
|  | **The Music Meta Ontology: a flexible semantic model for the interoperability of music metadata** Valentina Carriero (University of Bologna); Jacopo de Berardinis (King’s College London); Albert Meroño-Peñuela (King’s College London); Andrea Poltronieri (University of Bologna)\*; Valentina Presutti (University of Bologna) | **Poster Board #9** |
|  | **Polar Manhattan Displacement: measuring tonal distances between chords based on intervallic content** Jeffrey K Miller (Queen Mary University of London)\*; Johan Pauwels (Queen Mary University of London); Mark B Sandler (Queen Mary University of London) | **Poster Board #10** |
| 11:30 am - 1:30 pm | **Society Meeting**  **Awards**  **Closing** | Lecture room, second floor |
| 1:30 pm - 3 pm | **Lunch** | Main hall, ground floor |
| 3 - 4 pm | **Late breaking demo part 1** | Poster hall, first floor |
| 4 - 5 pm | **Late breaking demo part 2** | Poster hall, first floor |
| 5-5:30 pm | **Break** | Main hall, ground floor |
| 5:30 - 7 pm | **Unconference event** | Main hall, ground floor |

# Friday, November 10

**Address:** Building 1, piazza Leonardo da Vinci 32 20133 Milano

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| **Time** | **Session** | **Venue** |
| 9 am - 1 pm | **Workshop on Human-Centric Music Information Research (HCMIR23)** | historic PoliMi auditorium. |

**Address:** Via Conservatorio 12, 20122 Milano

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| **Time** | **Session** | **Venue** |
| 9 am – 5 pm | **International Conference on Digital Libraries for Musicology (DLfM)** | Biblioteca del Conservatorio di Milano (Library of the Conservatory of Milan) |

**Address:** Exact timing and meeting point communicated during ISMIR

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| **Time** | **Session** | **Venue** |
|  | **Visit to the Violin Museum (Cremona)** |  |