14th Sound and Music Computing Conference Planner (FINAL VERSION)

Time	Wednesday 5.7.2017	Thursday 6.7.2017	Friday 7.7.2017	Saturday 8.7.2017	Time
8:30		**Registration**	**Registration**	**Registration**	8:30
9:00		*Martin et al.*: Exploring Social Mobile Music with Tiny Touch-Screen Performances	*Lazzarini*: The CSOUND Plugin Opcode Framework	*Hashida et al.*: Constructing PEDB 2nd Edition: A Music Performance Database with Phrase Information	9:00
9:20		*Ahrendt et al.*: Does Singing a Low-Pitch Tone Make You Look Angrier?	*Wang et al.*: Versioning and Annotation Support for Collaborative Mapping Design	*Hartmann et al.*: Musical Feature and Novelty Curve Characterizations as Predictors of Segmentation Accuracy	9:20
9:40		*Vasquez et al.*: Monitoring and Supporting Engagement in Skilled Tasks: From Creative Musical Activity to Psychological Wellbeing	*Mexin et al.*: Tools for Annotating Musical Measures in Digital Music Editions	*Mcleod et al.*: Meter Detection in Symbolic Music Using a Lexicalized PCFG	9:40
10:00		*Jensenius et al.*: The Musical Influence on People's Micromotion when Standing Still in Groups	*Chen et al.*: Renotation of Optical Music Recognition Data	*Kwon et al.*: Audio-to-Score Alignment of Piano Music Using RNN-Based Automatic Music Transcription	10:00
10:20		*Duan et al.*: SECCIMA: Singing and Ear Training for Children with Cochlear Implants via a Mobile Application	*Lopes*: WALLACE: Composing Music for Variable Reverberation	*Hori et al.*: Lp-Viterbi Algorithm for Automatic Fingering Decision	10:20
10:40		**Coffee break**	**Coffee break**	**Coffee break**	10:40
11:00	**Registration at TUAS building Maarintie 8, 02150 ESPOO**	**Keynote** — *Simon Waters (Queen's University Belfast): Revisiting the ecosystemic approach*	**Keynote** — *Anssi Klapuri (Yousician): Learnings from developing the recognition engine for a musical instrument learning application*	*Valle et al.*: Systema Naturae: Shared Practices Between Physical Computing and Algorithmic Composition	11:00
11:20				*Déguernel et al.*: Generating Equivalent Chord Progressions to Enrich Guided Improvisation: Application to Rhythm Changes	11:20
11:40				*Anders*: A Constraint-Based Framework to Model Harmony for Music Composition	11:40
12:00		**Lunch**	**Lunch**	*Rogozinsky et al.*: pch2csd: an Application for Converting Nord Modular G2 Patches into Csound Code	12:00
12:20					12:20
12:40				**Lunch**	12:40
13:00	**Opening**	*Malik et al.*: Stacked Convolutional and Recurrent Neural Networks for Music Emotion	*Selfridge et al.*: Real-Time Physical Model for Synthesis of Sword Sounds		13:00
13:20		*Nymoen et al.*: Validating Attack Phase Descriptors Obtained by the Timbre Toolbox and Mirtoolbox	*Albrecht et al.*: Electronic Hearing Protection for Musicians	*Everardo*: Towards an Automated Multitrack Mixing Tool Using Answer Set Programming	13:20
13:40	**Keynote** — *Toshifumi Kunimoto (Yamaha): History of Yamaha's electronic music synthesis*	*Lee et al.*: Sample-Level Deep Convolutional Neural Networks for Music Auto-Tagging Using Raw Waveforms	*Willemsen et al.*: Virtual Analog Simulation and Extensions of Plate Reverberation	*Wang et al.*: Explorations with Digital Control of MIDI-enabled Pipe Organs	13:40
14:00		*Miron et al.*: Generating Data to Train Convolutional Neural Networks for Classical Music Source Separation	*Tsiros et al.*: The Effectiveness of Two Audiovisual Mappings to Control a Concatenative Synthesiser	*Crestel et al.*: Live Orchestral Piano, a System for Real-Time Orchestral Music Generation	14:00
14:20	**Coffee break**	**Coffee break**	**Coffee break**	*Ojima et al.*: A Singing Instrument for Real-Time Vocal-Part Arrangement of Music and Audio Signals	14:20
14:40	*Godøy et al.*: Exploring Sound-Motion Textures in Drum Set Performance		*Holfelt et al.*: Extraction, Mapping, and Evaluation of Expressive Acoustic Features for Adaptive Digital Audio Effects	*Macritchie et al.*: Evaluation of the Learnability and Playability of Pitch Layouts in New Musical Instruments	14:40
15:00	*Hori et al.*: Jazz Piano Trio Synthesizing System Based on HMM and DNN	**Concert** — *Koray Tahiroglu (chair): Broch: Concerning the Size of the Sun Nystrom: Spheroid Arias: Astraglossa or first steps in celestial syntax*	*Esqueda et al.*: Virtual Analog Model of the Lockhart Wavefolder	**Closing**	15:00
15:20	*Li et al.*: Audio-Visual Source Association for String Ensembles through Multi-Modal Vibrato Analysis		*Bisig et al.*: Musical Approaches for Working with Time-Delayed Feedback Networks		15:20
15:40	*Amengual et al.*: Investigations on Stage Acoustic Preferences of Solo Trumpet Players using Virtual Acoustics	*Weger et al.*: Evaluation of an Acoustic Interface for Tremor Analysis	*Pappalardo et al.*: Electric Grammars. Algorithmic Design and Construction of Experimental Music Circuits		15:40
16:00		*Frid et al.*: An Exploratory Study on the Effect of Auditory Feedback on Gaze Behavior in a Virtual Throwing Task with and without Haptic Feedback			16:00
16:20	**Pulkki and Lokki: Audio and Acoustics research at Aalto University Demonstrations (Otakaari 5)**	*Orduña-Bustamante*: Auralization in Space and in Rooms of Arbitrary D Dimensions			16:20
16:40		*Fontana et al.*: Auditory, Visual and Somatosensory Localization of Piano Tones: a Preliminary Study	**Bus transfer from TUAS building to Hanasaari**		16:40
17:00		*Lähdeoja et al.*: SONIC GREENHOUSE - Considerations on a Large-Scale Audio-Architectural Installation			17:00
17:20	**Poster pitching (1min / poster)**		**Banquet at Hanasaari**		17:20
17:40					17:40
18:00–19:40	**Poster session and finger food dinner**				18:00–19:40
20:00–21:40		**Concert @ Korjaamo** — *Koray Tahiroglu (chair): Artut and Tuğan: RAW Live Coding Audio/Visual Performance Lee and Ortiz: The First Flowers of the Year Are Always Yellow Morris and Castrillón: Shankcraft Kuljuntausta: Curved Tension Sheehan: The Mark on the Mirror (Made by Breathing) Knotts and Allik: [sisesta pealkiri]*	**Bus transfer from Hanasaari to Korjaamo**		20:00–21:40
22:00–23:00			**Concert @ Korjaamo** — *Koray Tahiroglu (chair): Abolaffio: Synaesthesia van Son: Cubed II Davies and Reid.: Gemmeleg Mihály: The Counting Sisters Allik et al.: bocca:mikro*		22:00–23:00

Session chairs: Registration; Session 2: Shigeki Sagayama (chair); Session 5: Simon Waters (chair); Session 7: Rolf Inge Godøy (chair); Session 8: Haruhiro Katayose (chair); Session 3: Ye Wang (chair); Session 6: Federico Fontana (chair); Session 8: Stefania Serafin (chair); Session 1: Sofia Dahl (chair); Session 6: Toshifumi Kunimoto (chair); Session 4: Federico Avanzini (chair); Posters: Tapio Lokki (chair)

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SESSIONS

1. Music performance analysis and rendering
2. Social interaction
3. Music information retrieval
4. Spatial sound and sonification
5. Computer music languages and software
6. Analysis, synthesis, and modification of sound
7. Computer-based music analysis
8. Automatic systems and interactive performance

Posters

Lazzarini: The Design of a Lightweight DSP Programming Library

Turchet et al.: Towards the Internet of Musical Things

Masu et al.: Robinflock: a Polyphonic Algorithmic Composer for Interactive Scenarios with Children

Kocher: Technology-Assisted Performance of Polytemporal Music

Burns et al.: Learning to Play the Guitar at the Age of Interactive and Collaborative Web

Beauguitte et al.: Key Inference from Irish Traditional Music Scores and Recordings

Kelkar et al.: Exploring Melody and Motion Features in "Sound-Tracings"

Kirkbride: Troop: A Collaborative Tool for Live Coding

Morris: Ferin Martino's Tour: Lessons from Adapting the Same Algorithmic Art Installation to Different Venues and Platforms

Sanfilippo et al.: Environment-Mediated Coupling of Autonomous Sound-Generating Systems in Live Performance: An Overview of the Machine Milieu Project

Posters

Hödl et al.: Design Implications for Technology-Mediated Audience Participation in Live Music

Takamori et al.: Automatic Arranging Musical Score for Piano using Important Musical

McCormack et al.: FFT-based Dynamic Range Compression

Rutz et al.: A Sonification Interface Unifying Real-Time and Offline Processing

Micheloni et al.: Interactive Painting Sonification Using a Sensor-Equipped Runway

Lennox et al.: Investigating Spatial Music Qualia through Tissue Conduction

Brásio et al.: QUALIA: A Software for Guided Meta-Improvisation Performance

Wada et al.: An Adaptive Karaoke System that Plays Accompaniment Parts of Music Audio Signals Synchronously with Users' Singing Voices

Valero-Mas et al.: Experimental Assessment of Descriptive Statistics and Adaptive Methodologies for Threshold Establishment in Onset Selection Functions

Lionello et al.: Interactive Soundscapes: Developing a Physical Space Augmented through Dynamic Sound Rendering and Granular Synthesis

Fixed media

Mayer: Kitchen studies

e-cor ensemble: Dicotomico

Vásquez: Collage 15 "Rachmaninoff Collage"

Bonanno: Over the Horizon

Jette: unmooredJetty

Seo: The Moon Landing

Yeo and Yoon: Onus Probandi 2017 - Images of the Inaudible

Di Scipio and Sanfilippo: Machine Milieu

Sound Installations

Kuljuntausta: Burbot's song

Devorah: Revontulet (2017)

Schlienger et al.: The CM&T Dome@SMC-17

Zang and Chi: Lightscape-Masquerade

Morris: Raveshift

Matsumura: Sound Wrinkle

Lock: ImproRecorderBot. An autonomous improvising device

Mosher, Obr and Wood: Tributaries of Out Distant Palpability

Burnett and Jenson: fracture