EvoMUSART conference programme

	Thursday 20 April, room 2
0930-1110	**EvoMusArt 1 : Music and Sound** **chair: Antonios Liapis** **Generating Polyphonic Music Using Tied Parallel Networks** *Daniel D. Johnson* **Algorithmic Songwriting with ALYSIA** *Margareta Ackerman and David Loker* **Assessing Augmented Creativity: Putting a Lovelace Machine for Interactive Title Generation through a Human Creativity Test** *Yasser S. Arenas Rebolledo, Peter van der Putten, Maarten H. Lamers* **Using autonomous agents to improvise music compositions in real-time** *Patrick Hutchings and Jon McCormack* **Play it Again: Evolved Audio Effects and Synthesizer Programming** *Benjamin D. Smith* **A Swarm Environment for Experimental Performance and Improvisation** *Frank Mauceri and Stephen M. Majercik*
1110-1130	**Coffee break**
1130-1310	**EvoMusArt 2 : Images & Art** **chair: João Nuno** **Mixed-initiative Creative Drawing with weblconoscope** *Antonios Liapis* **Exploring the Exactitudes Portrait Series with Restricted Boltzmann Machines** *Sam D. Verkoelen, Maarten H. Lamers, Peter van der Putten* **Evolving Mondrian-Style Artworks** *Miri Weiss Cohen, Leticia Cherchiglia, Rachel Costa* **Evolved Aesthetic Analogies to Improve Artistic Experience** *Aidan Breen, Colm OíRiordan, Jerome Sheahan* **Evolutionary Image Transition Using Random Walks** *Aneta Neumann, Bradley Alexander, Frank Neumann* **On Symmetry, Aesthetics and Quantifying Symmetrical Complexity** *Mohammad Majid al-Rifaie, Anna Ursyn, Robert Zimmer, Mohammad Ali Javaheri Javid* **EvoFashion: Customising Fashion Through Evolution** *Nuno Lourenco, Filipe Assuncòao, Catarina Macòas, Penousal Machado* **Automated Shape Design by Grammatical Evolution** *Manuel Muehlbauer, Jane Burry, Andy Song*
1310-1415	**Lunch**

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1415-1555	### EvoMusArt 3 : Focus on Algorithms #### chair: Vic Ciesielski **Towards Polyphony Reconstruction Using Multidimensional Multiple Sequence Alignment** *Dimitrios Bountouridis, Frans Wiering, Dan Brown, Remco C. Veltkamp* **Melody Retrieval and Classification Using Biologically-Inspired Techniques** *Dimitrios Bountouridis, Dan Brown, Hendrik Vincent Koops, Frans Wiering, Remco C. Veltkamp* **Clustering Agents for the Evolution of Autonomous Musical Fitness** *Roisin Loughran and Michael O'Neill* **Generalisation Performance of Western Instrument Recognition Models in Polyphonic Mixtures with Ethnic Samples** *Igor Vatolkin* **Evaluation Rules for Evolutionary Generation of Drum Patterns in Jazz Solos** *Fabian Ostermann, Igor Vatolkin, Günter Rudolph* **A Kind of Bio-inspired Learning of mUsic stylE** *Roberto De Prisco, Delfina Malandrino, Gianluca Zaccagnino, Rocco Zaccagnino, Rosalba Zizza* **Fashion Design Aid System with Application of Interactive Genetic Algorithms** *Nazanin Alsadat Tabatabaei Anaraki*
1555-1615	**Coffee break**
1615-1745	### EvoMusArt 4 : Best Papers #### chair: Vic Ciesielski **Predicting Expressive Bow Controls for Violin and Viola** Lauren Jane Yu and Andrea Pohoreckyj Danyluk **Niche Constructing Drawing Robots** Jon McCormack **Deep Artificial Composer: A Creative Neural Network Model for Automated Melody Generation** Florian Colombo, Alexander Seeholzer, Wulfram Gerstner