2009 IEEE Symposium on Artificial Life

(ALife)

Nashville, Tennessee, USA
30 March – 2 April 2009

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Guided Self-Organization of Autonomous Robot Behavior

Nihat Ay and Ralf Der

Max Planck Institute for Mathematics in the Sciences, Germany, and Santa Fe Institute, USA, Germany; Max Planck Institute for Mathematics in the Sciences, Germany

Session ALIFE-2: Major Transitions in Evolution
Monday, March 30, 12:00PM-12:50PM, Room: Belmont, Chair: Hiroki Sayama, Binghamton University - SUNY, USA

Session ALIFE-3: Meaning, Information, Communication
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The Human Mind
Thomas S. Ray
University of Oklahoma, United States

Session ALIFE-5: BioComputation and Genetic Regulatory Networks
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Session ALIFE-6: Embodiment, Behavior & Interaction
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Hiroki Sayama, Shelley Dionne, Craig Laramee and David Wilson
Binghamton University, State University of New York, United States

Wesley Elsberry, Laura Grabowski, Charles Ofria and Robert Pennock
Michigan State University, United States

Benjamin E. Beckmann, Laura Grabowski, Philip K. McKinley and Charles Ofria
Michigan State University, United States

Session ALIFE-7: Keynote Lecture 3
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A Model of Embodied Computation for Artificial Morphogenesis
Bruce J. MacLennan
University of Tennessee at Knoxville, United States

Session ALIFE-8: Evolution and Development (Evo-Devo)
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Tuze Kuyucu, Martin Trefzer, Julian Miller and Andy Tyrrell
University of York, United Kingdom

Nicolas Oros, Volker Steuber, Neil Davey, Lola Canamero and Rod Adams
University of Hertfordshire, United Kingdom

Session ALIFE-9: Evolution and Ecology (Generalized Evo-Eco)
Tuesday, March 31, 2:00PM-4:00PM, Room: Belmont, Chair: Bruce MacLennan, University of Tennessee at Knoxville, USA

Sherri Goings and Charles Ofria
Michigan State University, United States

Session ALIFE-10: Multicellularity and Swarms
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