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## ***Agent-Based Complex Systems***

O

**Monday, October 12, 2009**

S

***"A Dynamic Energy Budget (DEB) model for the Icelandic capelin in an interacting particle system"***

Baldvin Einarsson, Mathematics (University of Iceland)

T

***"Leaders and Negotiators: An Influence-based Metric for Rank"***

Rumi Ghosh, Information Sciences Institute (University of Southern California)

E

***"Model of Myxobacteria Motility Mutants"***

Cameron Harvey, Physics (Notre Dame)

***"A Dynamical System Model for Simulating Myxobacteria Life Cycle"***

Melisa Hendrata, Mathematics (Cal State Los Angeles)

R

***"PPA\*: Amortized Search for Scalable Agent Navigation"***

Billy Hewlett, Computer Science (UCLA)

***"Self-similar Blowup Solution of the Aggregation Equation"***

Yanghong Huang, Mathematics (UCLA)

**S**

***"Mesoscopic Equations for Spatial Evolutionary Games"***

Sungha Hwang, Mathematics and Statistics (University of Massachusetts)

**E**

***"Statistical Models of Criminal Behavior: The Effects of Law Enforcement Actions"***

Paul Jones, Mathematics (UCLA)

**S**

***"Improving Density Estimation for Sparse Data Sets by Incorporating Spatial Information"***

Laura Smith, Mathematics (UCLA)

Matthew Keegan, Mathematics (UCLA)

**S**

***"Autonomous Source Discovery and Navigation in Complicated Environments"***

Yana Landa, Mathematics (UCLA)

**I**

***"Comparing Gang Rivalries and Civilian Deaths in Iraq Using Self-Exciting Point Processes"***

Eric Lewis, Mathematics (UCLA)

**O**

***"Hybrid dynamical-statistical methods for crime science"***

George Mohler, Mathematics (UCLA)

**N**

***"Local Existence and Uniqueness of a PDE Model for Criminal Behavior"***

Nancy Rodriguez, Mathematics (UCLA)