Thursday 19 May

8:30a   Coffee, juice, pastries, fruit

9:00a   Opening Remarks & Welcome

9:30a   **Keynote: Joanna Masel**

"Evolution of molecular error rates, and the consequences for robustness, evolvability, and the *de novo* emergence of new protein-coding genes from junk DNA"

10:30a   BREAK

10:45a   **Michael Affenzeller, Stephan M. Winkler**

"Population Dynamics in Symbolic Regression Using Standard GP, GP with Offspring Selection, and ALPS"

11:30a   **Armand R. Burks**

"An Investigation of Hybrid Structural and Behavioral Diversity Methods in Genetic Programming"

12:15p   DISCUSSION

12:30p   LUNCH IN ROOM

1:30p   **Erik Hemberg**

"Investigating Multi population Competitive Coevolution for Anticipating of Tax Evasion"

2:15p   **Moshe Sipper**

"Evolving Artificial General Intelligence for Video Controllers"

3:00p   DISCUSSION   and BREAK

3:30p   **Nic McPhee**

"A Detailed Analysis of a PushGP Run"

We use graph database tools to capture and analyze the ancestry of a successful individual, going all the back to the initial generation.

4:30p   **Lee Spector**

"Linear Genomes for Structured Programs (Plush)"

5:15p   DISCUSSION

5:30p   END OF SESSION

Friday 20 May

8:30a   Coffee, juice, pastries, fruit

9:00a   Opening Remarks & Welcome

9:30a   **Keynote: Stephanie Forrest**

             "Software: Evolution, Robustness, and Diversity (also, the Mutation Cliff)"

10:30a   BREAK

10:45a   **Wolfgang Banzhaf**

             "Neutrality, Robustness, and Evolvability in Genetic Programming"

11:30a   **Leonardo Trujillo**

             "Numerical local search in genetic programming"

12:15p   DISCUSSION

12:30p   LUNCH IN ROOM

1:30p   **Michael Korns**

             "An Evolutionary Algorithm for Big Data Multi-class Classification Problem"

2:15p   **Babak Hodjat**

             "PRETSL: Distributed Probabilistic Rule Evolution for Time-Series Classification"

3:00p   DISCUSSION   and BREAK

3:30p   **Krzysztof Krawiec**

             "Discovering Relational Structure in Program Synthesis Problems with Analogical Reasoning"

4:30p   **Gisele Pappa**

             "Strategies for dispersing individuals in the semantic space"

5:15p   DISCUSSION and Group Photo

5:30p   END OF SESSION

Saturday 21 May

8:30a	Coffee, juice, pastries, fruit
9:00a	Opening Remarks & Welcome
9:30a	**Keynote**: **Cosma Shalizi**
	"Bayesian Learning, Evolutionary Search, and Information Theory"
10:30a	BREAK
10:45a	**Steven Gustafson**
	"Assisting Asset Model Development with Evolutionary Augmentation"
11:30a	**Randy Olson**
	"Identifying and Harnessing the Building Blocks of Machine Learning Pipelines for Sensible Initialization of a Data Science Automation Tool"
12:15p	DISCUSSION, WRAP-UP
12:30p	LUNCH IN ROOM
1:30p	END

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