Day 1

8:00 Registration open
8:40 Opening
9:00 Keynote 1: Myra Spiliopoulou
10:00 Morning break
10:30 Session I: 1 Full + 2 Short papers
12:30 Lunch
14:00 Session II: 3 Full + 2 Short papers
16:00 Afternoon break
16:30 Session III: 1 Full + 2 Short papers
17:30 Finish

Evening Opening Reception

Day 2

9:00 Keynote 2: Danielle S. McNamara
10:00 Morning break
10:30 Session IV: 3 Full + 2 Short papers
12:30 Lunch
14:00 Session V: 3 Full + 2 Short papers
16:00 Afternoon break
16:30 Poster 1 minute madness
16:50 Poster sess 16 posters
18:00 Finish

Evening Banquet

Day 3
9:00 Keynote 3: Bob Dolan
10:00 Morning break
10:30 Session VI: 3 Full + 2 Short papers
12:30 Lunch
14:00 Session VII 1 Full + 3 Short papers
15:15 Closing session
16:00 Afternoon break
16:30 EDM Community meeting
17:15 Finish

Session I: Understanding student learning
  Martina Rau and Richard Scheines. Searching for Variables and Models to Investigate Mediators of Learning from Multiple Representations
  François Bouchet, John Kinnebrew, Gautam Biswas and Roger Azevedo. Identifying Students' Characteristic Learning Behaviors in an Intelligent Tutoring System Fostering Self-Regulated Learning
  Jihie Kim, Erin Shaw, Hao Xu and Adarsh G V. Assisting Instructor Assessment of Undergraduate Collaborative Wiki and SVN Activities
  Jin Soung Yoo and Moon-Heum Cho. Mining Concept Maps to Understand Students' Learning
  Carol Forsyth, Philip Pavlik Jr, Arthur Graesser, Zhiqiang Cai, Mae-Lynn Germany, Keith Millis, Heather Butler, Diane Halpern and Robert Dolan. Learning Gains for Core Concepts in a Serious Game on Scientific Reasoning

Session II: Knowledge tracing
  José González-Brenes and Jack Mostow. Dynamic Cognitive Tracing: Towards Unified Discovery of Student and Cognitive Models

  Jung In Lee and Emma Brunskill. The Impact on Individualizing Student Models on Necessary Practice Opportunities
  Yanbo Xu and Jack Mostow. Comparison of methods to trace multiple subskills: Is LR-DBN best?
  Martina Rau and Zachary Pardos. Investigating Practice Schedules of Multiple Fraction Representations Using Knowledge Tracing Based Learning Analysis Techniques
  Yutao Wang and Neil Heffernan. Leveraging First Response Time into the Knowledge Tracing Model
Session III: Student modeling

Kenneth R. Koedinger, Elizabeth A. McLaughlin and John C. Stamper. Automated Student Model Improvement

Yutao Wang and Joseph Beck. Incorporating Factors Influencing Knowledge Retention into a Student Model
Michael Yudelson and Emma Brunskill. Policy Building -- An Extension To User Modeling

Session IV: Predictive modeling

Dave Barker-Plummer, Robert Dale, Richard Cox and Alex Romanczuk. Using Edit Distance to Mine for Errors in a Natural Language to Logic Translation Corpus
Tomas Obsivac, Lubos Popelinsky, Jaroslav Bayer, Jan Geryk and Hana Bydzovska. Predicting drop-out from social behaviour of students
Shubhendu Trivedi, Zachary Pardos, Gábor Sárközy and Neil Heffernan. Co-Clustering by Bipartite Spectral Graph Partitioning for Out-of-Tutor Prediction
Manuel Ignacio Lopez, Cristobal Romero and Sebastián Ventura. Classification via clustering for predicting final marks starting from the student participation in Forums

Zachary Pardos, Qing Yang Wang and Shubhendu Trivedi. The real world significance of performance prediction

Session V: Intelligent tutoring systems

Ilya Goldin, Kenneth Koedinger and Vincent Aleven. Learner Differences in Hint Processing
Vasile Rus, Arthur Graesser, Cristian Moldovan and Nobal Niraula. Automatic Discovery of Speech Act Categories in Educational Games
Behzad Beheshti, Michel Desmarais and Rhouma Naceur. Methods to find the number of latent skills
Michael Eagle, Matthew Johnson and Tiffany Barnes. Interaction Networks: Generating High Level Hints Based on Network Community Clusterings
Leigh Ann Sudol, Kelly Rivers and Thomas K. Harris. Calculating Probabilistic Distance to Solution in a Complex Problem Solving Domain
Session VI: Learning behavior and Affect
Terry Peckham and Gordon McCalla. Mining Student Behavior Patterns in Reading Comprehension Tasks
John Kinnebrew and Gautam Biswas. Identifying Learning Behaviors by Contextualizing Differential Sequence Mining with Action Features and Performance Evolution
Jennifer Sabourin, Bradford Mott and James Lester. Early Prediction of Student Self-Regulation Strategies by Combining Multiple Models
Judi Mccuaig and Julia Baldwin. Identifying Successful Learners from Interaction Behaviour

Session VII: Methods and tools for EDM
Yoav Bergner, Stefan Droschler, Gerd Kortemeyer, Saif Rayyan, Daniel Seaton and David Pritchard. Model-Based Collaborative Filtering Analysis of Student Response Data: Machine-Learning Item Response Theory
John Stamper, Derek Lomas, Dixie Ching, Steven Ritter, Kenneth Koedinger and Jonathan Steinhart. The Rise of the Super Experiment
Ma. Mercedes Rodrigo, Ryan S. J. D. Baker, Bruce McLaren, Alejandra Jayme and Thomas Dy. Development of a Workbench to Address the Educational Data Mining Bottleneck
María De Mar Molina, Cristobal Romero and Sebastián Ventura. Meta-learning Approach for Automatic Parameter Tuning: A case of study with educational datasets