4th International Workshop on Realizing AI Synergies in Software Engineering (RAISE)

9.00-9.15   Plenary: Welcome, Introductions

9.15-10.30   **Keynote**: Knowledge Representation for Requirements Engineering, and Requirements Engineering for Intelligent Systems, John Mylopoulos, University of Toronto, Canada

10.30-11.00 Break: Coffee

11.00-12.30 **Text Analysis/Mining**
Mining Enterprise Models for Knowledgeable Decision Making
Suman Roychoudhury, Vinay Kulkarni, Nikhil Bellarykar
Text Understanding for Programming in Natural Language: Control Structure
Mathias Landhaeusser, Ronny Hug
Clustering Source Code Elements by Semantic Similarity Using Wikipedia
Mirco Schindler, Oliver Fox, Andreas Rausch

12.30-2.00   Break: Lunch

2.00-3.00   **Recommendation Systems**
Black-Box Test Generation from Inferred Models,
Petros Papadopoulos, Neil Walkinshaw
Recommending Features and Feature Relationships from Requirements Documents for Software Product Lines
Mostafa Hamza, Robert J. Walker

3.00-3.30   **Defect Prediction**
An AI Application in Industry: Building a Defect Prediction Model Using Logical Dependencies
Behjat Soltanifar, Shirin Akbarinasaji, Bora Çağlayan, Ayse Bener, Ayse Misirli and Asli Filiz

3.30-4.00   Break: Tea

4.00-4.30   **Defect Prediction**
Towards Interpretable Defect-Prone Component Analysis Using Genetic Fuzzy Systems
Themistoklis Diamantopoulos, Andreas Symeonidis

4.30-5.00   **Retrospective**