This workshop brings together researchers and industrial practitioners to exchange and discuss the latest innovative synergistic AI and SE techniques and practices. Software engineering is now expected to solve a plethora of increasingly complex questions that are dynamic, automated, adaptive, or must execute on a very large scale. In theory, other disciplines could better support SE. For example, AI technologies can support the development of increasingly complex SE systems. Conversely, in theory, SE might also play a role in alleviating development costs and the development effort associated with AI tools. In practice, this theoretical connection between SE and AI is rarely achieved. We believe that SE has much to offer AI about systems engineering and scalability of methodologies. Yet AI research rarely uses this work. All this begs the question:

Are SE and AI researchers ignoring important insights from AI and SE?

To answer this question, RAISE '13 will be a crossover workshop where the state of the art in both fields is documented and extended. This workshop will explore not only the application of AI techniques to software engineering problems but also the application of software engineering techniques to AI problems.

**DAY 1: STATE OF THE ART**
The first day of the workshop is for positions statements that review current state of the art results. Papers accepted to day1 will be archival publications published in the ICSE proceedings. Day 1 papers will be presented in standard conference format (15 minute presentations).

**DAY 2: OVER THE HORIZON**
Day two will look “over the horizon” for discover future directions. Day2 papers will be short (3 page) vision statements, seen only by workshop attendees, presented in brainstorming sessions (5 minute lightning round in the morning; discussed in breakout groups in the afternoon).

**Topics of interest**
Prospective participants should submit either a state of the art position statement describing late-breaking research results or a research vision statement on one or more of the following perspectives:

1. **Improving SE through AI** - including but not limited to knowledge acquisition, knowledge representation, reasoning, agents, machine learning, machine-human interaction, planning and search, natural language understanding, problem solving and decision-making, understanding and automation of human cognitive tasks, AI programming languages, reasoning about uncertainty, new logics, statistical reasoning, etc.

2. **Applying AI to SE activities** - including but not limited to requirements, design, specification, traceability, program understanding, model-driven development, testing and quality assurance, domain-specific software engineering, adaptive systems, software evolution, etc.

3. **SE for AI** - including but not limited to AI programming languages, program derivation techniques in AI domains, platforms and programmability, software architectures, rapid prototyping and scripting for AI techniques, software engineering infrastructure for reflective and self-sustaining systems, etc.

**Important Dates**
- Paper submission: 7 Feb 2013
- Notification of acceptance: 28 Feb 2013
- Camera ready paper: 7 March 2013
- Workshop date: 25-26 May 2013

**Workshop Steering Committee**
- Rachel Harrison, Oxford Brookes University, UK
- Sol Greenspan, NSF, USA
- Pedro Henriquez, University of Minho, Portugal
- Marjan Mernik, University of Maribor, Slovenia
- Daniel Rodriguez, University of Alcala, Spain
- Daniela da Cruz, University of Minho, Portugal

**Keynotes**
- Tao Xie, North Carolina State University, USA
- John Clark, University of York, UK

**Publicity Chair**
- Burak Turhan, University of Oulu, Finland