GTSE 2014
3rd Semat Workshop on General Theories of Software Engineering
June, 2nd, 2014, Hyderabad, India
Overview the SEMAT Theory Workshop Series

- There is still a strong interest in a General Theory of Software Engineering
- 3rd in a row
- 21 Papers have been submitted
- Usual review process by a strong program committee
- Every paper got at least 3 most of them 4 reviews
- 7 papers got accepted

In terms of interest on our globe:
Submissions per country

Sweden: 3
UK: 3
Netherlands: 1
Switzerland: 1
Singapore: 1
Finland: 1
Israel: 1
South Africa: 2
Australia: 2
Jamaica: 1
USA: 1
India: 1
Spain: 1
Turkey: 1
Portugal: 1

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Abstract Structure of the Program

• What can be said about a Theory of Software Engineering in general
• Can we do something actually
• What about Theory building
GTSE 2014 The Program

• **Morning session (09:00-10:30)**
  • Welcome & Introduction
  • *Extending a General Theory of Software to Engineering*
  • *Theory Based Software Engineering with the SEMAT Kernel: Preliminary Investigation and Experiences*

• **Pre-lunch session (11:00-12:30)**
  • *Alignment Practices Affect Distances in Software Development: A Theory and a Model*
  • *Extending Essence Kernel to Enact Practices at the Level of Software Modules*
  • *Evaluating Process Theories in Software Engineering*

• **Post-lunch session (14:00-15:30)**
  • Keynote
  • *Towards Middle-Range Usable Design Theories for Software Engineering*
  • *A Bootstrap Theory: the SEMAT Kernel Itself as Runnable Software*

• **Final session (16:00-17:30)**
  • Summary of papers & Discussion
GTSE 2014 The Program

• **Morning session (09:00-10:30)**

  Welcome & Introduction
  Lagerström & Ekstedt, *Extending a General Theory of Software to Engineering*
  Ng, *Theory Based Software Engineering with the SEMAT Kernel: Preliminary Investigation and Experiences*

• **Pre-lunch session (11:00-12:30)**

  Kocatas & Erbas, *Extending Essence Kernel to Enact Practices at the Level of Software Modules*
  Ralph, *Evaluating Process Theories in Software Engineering*

• **Post-lunch session (14:00-15:30)**

  Jacobson
  Wieringa, *Towards Middle-Range Usable Design Theories for Software Engineering*
  Exman, *A Bootstrap Theory: the SEMAT Kernel Itself as Runnable Software*

• **Final session (16:00-17:30)**

  Summary of papers & Discussion
Our Goal
Advancement of Understanding wrt. a General Theory of Software Engineering

• Summarize workshop results in e.g. SEN
• Increase awareness regarding the importance of GTSE
• Create more activity to come up with an (G)TSE
• You name it
• ...

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