MoVES
Modelling, Verification and Evolution of Software

Interuniversity Attraction Poles programme
Belgian State - Belgian Science Policy
Project coordinator: Vrije Universiteit Brussel

http://prog.vub.ac.be/moves/
Agenda

✴ Introduction to IAP - MoVES
✴ Overview SSEL and PROG Labs
✴ Research Presentations
✴ Reception and Poster Session
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Support the formation of excellent interuniversity networks in basic research

Across linguistic communities

Encourage collaborations

Promote complementarity and interdisciplinarity between research teams

Facilitate the insertion of Belgian research teams in European and international networks

...
IAP Objectives

✴ Setup of events to encourage collaborations
  ✴ Poster sessions, seminars, ...
✴ Exchange of personnel, knowledge
✴ Organisation of Joint scientific events
  ✴ workshops, conferences, ...
✴ Joint doctoral actions
  ✴ co-promotorship, doctoral schools, ...
✴ Co-authoring of publications
✴ Establishing joint (EU) projects
✴ Networking media
  ✴ website, newsletter, ...
MoVES Partners

- Vrije Universiteit Brussel
- Universiteit Antwerpen
- Université catholique de Louvain
- Université Libre de Bruxelles
- Facultés Universitaires Notre-Dame de la Paix Namur
- Université de Liege
- Katholieke Universiteit Leuven
- Université de Sciences et Technologie de Lille
- Imperial College London
- Technische Universiteit Delft

EU Partners
MoVES Research Axes
Modelling, Verification and Evolution of Software

✴ Modelling
 ✴ Modelling Languages
 ✴ Programming Languages

✴ Model Verification
 ✴ Analysis of and reasoning about programs/models
 ✴ Consistency checking, property verification
 ✴ Techniques to compose, abstract or refine programs/models

✴ Model Evolution
 ✴ Incremental evolution and co-evolution of programs/models
 ✴ Restructuring of programs & models
MoVES Work Packages

- (WP 1) Programming Languages
- (WP 2) Modelling Languages and Restructuring
- (WP 3) Composition, Decomposition, Recomposition
- (WP 4) Consistency Checking and Co-Evolution
- (WP 5) Refinement and Synthesis
- (WP 6) Verification Methods and Tools
- (WP 7) Incremental Design and Verification
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Announcements
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- PhD Course: **Advanced Topics in Software Evolution**
  - March 14 (@UMH), March 20 (@UCL)

- **Journée Thématique en Génie Logiciel**
  - May 21 (@UCL)

- **PhD Defense** - Gilles Geeraerts - April 20 (@ULB)

- **Postdoctoral Position @ PRECISE-FUNDP**
  - Contact Prof. Dr. Patrick Heymans
    phe@info.fundp.ac.be
Engineering Requirements for Mission-Critical Software Systems

Prof. Dr. Axel van Lamsweerde
Université catholique de Louvain
http://ssel.vub.ac.be/francqui/

Inaugural Lecture
Modelling Software Systems and Engineering their Requirements: Why Should we care?
Thursday April 26, 16:00 @ VUB