



Summer School on Generative and Transformational Techniques in Software Engineering 4 - 8 July, 2005, Braga, Portugal



<http://www.di.uminho.pt/GTTSE2005>

Topics

- Generic language technology
- Grammarware engineering
- Language & document processing
- Generative programming
- Development environments
- Reverse and re-engineering
- Model-driven approaches
- Aspect-oriented approaches
- Automatic programming
- Program optimization
- Feature-driven development
- Product lines
- Domain-specific languages
- Application generation
- Data re- and reverse engineering
- Data integration
- Object-relational mappings
- Middleware technology
- Term rewriting
- Strategic programming
- Graph transformation

Committee Chairs

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For more information, please consult the GTTSE webpage.

CALL FOR PARTICIPATION

The summer school brings together PhD students, lecturers, technology presenters, as well as other researchers and practitioners who are interested in the generation and the transformation of programs, data, models, meta-models, and documentation.

This concerns many areas of software engineering: software reverse and re-engineering, model-driven approaches, automated software engineering, generic language technology, to name a few. These areas differ with regard to the specific sorts of meta-models (or grammars, schemas, formats etc.) that underly the involved artifacts, and with regard to the specific techniques that are employed for the generation and the transformation of the artifacts.

Tutorials

The tutorials are given by renowned representatives of complementary approaches and problem domains. Each tutorial combines foundations, methods, examples, and tool support.

- *Feature Oriented Programming*
Don Batory (The University of Texas at Austin):
- *Compiling Fast XML reader/writers from DTDs using Program Transformations*
Ira Baxter (Semantic Designs Inc.):
- *Metamodelling and Model Driven Software Development*
Jean Bezivin (INRIA, LINA, University of Nantes)
- *Program Transformation With Reflective and Aspect-Oriented Programming*
Shigeru Chiba (Tokyo Institute of Technology)
- *The Transformational Approach to Database Engineering*
Jean-Luc Hainaut (University of Namur)
- *Program Optimization and Transformation in Computational Forms*
Zhenjiang Hu (University of Tokyo)
- *Object, Relational, and XML Mapping*
Erik Meijer (Microsoft, Redmond)
- *On the Use of Graph Transformations for Model Refactoring*
Tom Mens (University of Mons-Hainaut)

The program of the summer school also features invited technology presentations and a participants workshop. Formal proceedings of the summer school will be published in Springer's Lecture Notes in Computer Science series.

Venue

The summer school will be held in the northern region of Portugal, known as the Costa Verde. The region is known for its attractiveness in terms of climate, prices, and culture. The region is served by the Oporto international airport, providing direct flights to many major European cities. The event will take place in Hotel da Falperra, situated in the hills overlooking the city of Braga. Hotel da Falperra is a four star hotel that provides splendid seminar and leisure facilities. The hotel is situated in a quiet and somewhat isolated mountain area, which promotes the interaction between senior and junior researchers.

