1st International Workshop on

Visual Formalisms for Patterns

September 24th, Corvallis, Oregon, USA
http://arantxa.ii.uam.es/~jlara/VforP.htm

Satellite event of the
2009 IEEE Symposium on Visual Languages and Human-Centric Computing
http://eecs.oregonstate.edu/vlhcc09/

About the Workshop

Patterns are increasingly used in the definition of software frameworks, as well as in Model Driven Development, to indicate parts of required architectures, drive code refactoring, or build model-to-model transformations. The full realisation of their power is however hindered by the lack of a standard formalization of the notion of pattern. Presentations of patterns are typically given through natural language, to explain their motivation, context and consequences; programming code, to show usages of the pattern; and diagrams, to communicate their structure and behaviour.

Several researchers have indicated the limitations of the current semi-formal devices for pattern definition - generally based on domain modelling languages, such as UML for design patterns, or Coloured Petri Nets for workflow - and research is active to propose rigorous formalisms, methodologies and languages for pattern definition in specific domains, as well as to propose general models of patterns.

The availability of formalisms will make common practices involving patterns, such as pattern discovery, pattern enforcement, pattern-based refactoring, etc., simpler and amenable to automation, and open new perspectives for pattern composition and analysis of pattern consequences.

The workshop will bring together researchers interested in the definition, usage and analysis of patterns through visual formalisms, which couple the simplicity of traditional methods for pattern expression with solid foundations for pattern-based activities.

Topics of interest are the following, but the workshop is open to any contribution to the development of the field:

- Formalisation of domain-specific patterns
- Formalisation of generic notions of patterns
- Pattern discovery
- Pattern enforcement
- Pattern-based refactoring
- Pattern languages

Submissions in other related areas are also welcome.

Co-chairs

- Paolo Bottoni – Dep. of Computer Science, "Sapienza" Università di Roma, Italy
- Esther Guerra – Dep. Computer Science, DEI Lab, Univ. Carlos III, Madrid, Spain
- Juan de Lara – Dep. of Computer Science, Universidad Autónoma de Madrid, Spain

Programme Committee

- Jing Dong, University of Texas, Dallas
- Amnon H. Eden, University of Essex
- Gregor Engels, University of Paderborn
- Reiko Heckel, University of Leicester
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- Claudia Pons, University of La Plata
- Nick Russell, Technical University of Eindhoven
- Michael Stal, Siemens AG
- David Stotts, University of North Carolina
- Gerson Sunyé, Université de Nantes
- Toufik Taibi, University of Western Ontario
- Kang Zhang, University of Texas, Dallas
- Albert Zundorf, University of Kassel

Submissions and Publication

We solicit both regular (12 pages) and short (5 pages) papers for inclusion in the pre-proceedings. Post-proceedings will be published in the **Electronic Communications of the EASST** (http://eceasst.cs.tu-berlin.de/index.php/eceasst), the electronic, open access journal of the **EASST**. The post-proceedings will include the regular papers, as well as extended versions (10 pages) of selected short papers. Submission of papers (in PDF) is via Easychair (http://www.easychair.org/conferences?conf=vffp2009). Each submission will be reviewed by 3 members of the programme committee. Submissions should be in ECEASST format (http://eceasst.cs.tu-berlin.de/template/). We plan to organize a journal special issue with expanded versions of the best papers of the workshop.

Dates

Submission:	**7 June, 2009**
Notification:	**8 July, 2009**
Final papers due:	**30 July, 2009**
Workshop:	**24 September, 2009**

For further information

Please email vffpchairs@di.uniroma1.it.