

### 3rd MAP-i Doctoral Symposium

5-7 July 2010, DETI, University of Aveiro

#### July 5 Sessions 2, 3 Room 128

|       |   |  |                         |                                |                |
|-------|---|--|-------------------------|--------------------------------|----------------|
| 09:30 | <i>Opening (Room 102)</i>   |  |                         |                                |                |
| 10:00 | <b>Student</b>  | <b>Work in Progress (2nd, 3rd years)</b>   | <b>External Advisor</b> | <b>Supervisor(s)</b>           | <b>CC-MAPi</b> |
|       | Vahid Talooki   | Secure and Reliable Communication Infrastructure for IP-Based Emergency Applications                       |                         | Jonathan Rodriguez             | JMV            |
|       | Nuno Alexandre Castro Ferreira  | Multi-staged domain specific modeling for software product lines: An insurance ontology analysis           |                         | R. Machado, D. Gasavic         | JMV            |
| 11:00 | <i>coffee break</i>   |  |                         |                                |                |
| 11:30 | Brett Drury   | A text-mining response to news   |                         | L. Torgo, J. J. Almeida        | GD             |
|       | Ricardo Freitas   | Relational Databases Digital Preservation  |                         | J.C. Ramalho                   | GD             |
| 12:30 | <i>lunch</i>  |  |                         |                                |                |
| 14:00 | <i>Invited talk (Room 102) Razvan Diaconescu, "Stainless Formal Verification (on the interdependency between mathematical foundations, semantics of specifications, and proof score programming)"</i> |  |                         |                                |                |
| 15:00 | Nuno Figueiredo   | Efficiency Problems in Brain-Machine Interfaces  |                         | Filipe Silva e Petia Giorgieva | FS             |
|       | José Carlos de Queirós Pinto  | Cooperative control of heterogeneous autonomous vehicles   |                         | F. Pereira, J. Sousa           | FS             |
|       | Alexandre Madeira   | From refinements via interpretation to logics for dialgebras   | Razvan Diaconescu       | L. Barbosa, M. A. Martins      | JNO            |
| 16:00 | <i>coffee break</i>   |  |                         |                                |                |
| 16:30 | Paula Alexandra Fernandes Monteiro  | Inception of software validation and verification practices within CMMI Level 2: An IEEE/ISO 29119 roadmap |                         | R. Machado, R. Kazman          | JNO            |
|       | André Leite Ferreira  | Software Process Improvement in Multimodel Environments  |                         | Ricardo Machado                | JAM            |
|       | Rui Pacheco Meireles  | Vehicular networks   |                         | J. Barros, M. Ferreira         | FS             |

**July 6      Sessions 2, 3      Room 128**

|       | <b>Student</b>  | <b>Work in Progress (2nd, 3rd years)</b>   | <b>External Advisor</b>     | <b>Supervisor(s)</b>   | <b>CC-MAPi</b>    |
|-------|---|--|-----------------------------|--|-------------------|
| 09:00 | Nuno José Constantino Castro<br>Orlando Ohashi  | Multiresolution Motif Discovery in Time Series<br><br>Monitoring and Predicting Anomalies in Sensor Network Data   |                             | Paulo Azevedo<br><br>L. Torgo  | JLO<br><br>JLO    |
| 10:00 | Tiago Miguel Guimarães Pedrosa<br>António Carlos Oliveira Júnior<br>Andreia Sofia da Costa Teixeira   | Electronic health records for mobile citizens<br><br>Energy-aware Routing Metrics in User-centric Environments<br><br>Characterization of cryptographic primitives based on Klomogorov complexity    | Vasco Ribeiro               | J.L. Oliveira, Rui Lopes<br><br>Rute Sofia<br><br>L. Antunes, A. Matos           | GD<br><br><br>JMV |
| 11:00 | <i>coffee break</i>   |  |                             |  |                   |
| 11:30 | Hugo Pacheco<br>Daniela Carneiro da Cruz  | Bidirectional data transformation by calculation<br>Slicing and Visualizing Annotated Software Components  | Joost Visser<br>A. Beszedes | A. Cunha, J.N. Oliveira<br>P. Henriques, J.S. Pinto                              | GD<br>JNO         |
| 12:30 | <i>lunch</i>  |  |                             |  |                   |
| 14:00 | <i>Invited talk (Room 102) Verónica Orvalho (UP), "How to achieve high quality facial animation?"</i> |  |                             |  |                   |
| 15:00 | Hugo Conceição<br><br>Paulo César Oliveira Jesus<br>Hugo Daniel dos Santos Macedo                     | Distributed Control of Road Traffic based on Vehicular Ad Hoc Networks<br>Robust distributed data aggregation<br><br>Widening the scope of application of the Spiral parallel code generation system | M. Pushel (CMU)             | Michel Ferreira, Ozan Tonguz<br>C. Baquero, P.S. Almeida<br><br>J. Nuno Oliveira | GD<br><br>FS      |
| 16:00 | MAP-i 4th edition (UM) presentation (Room 102)  |  |                             |  |                   |
| 16:30 | MAP-i SC meeting  |  |                             |  |                   |

10:00

**July 7 Sessions 2, 3 Room 128**

|       | <b>Student</b>                       | <b>Work in Progress (2nd, 3rd years)</b>                              | <b>External Advisor</b>         | <b>Supervisor(s)</b>     | <b>CC-MAPi</b> |
|-------|--------------------------------------|---|---------------------------------|--------------------------|----------------|
| 10:00 | Nuno Alexandre Abreu<br>Carvalho     | Self-managing service platform  | Pascal Felber (U.<br>Neuchâtel) | José O. Pereira          | JAM            |
|       | Ana Nunes                            | Elastic Enterprise Applications                                       |                                 | José O. Pereira          | JAM            |
|       | Filipe José Oliveira<br>Campos       | Fault tolerant service integration                                    | Karl Goeschka<br>(Wien)         | José O. Pereira          | JAM            |
|       | Vítor Serafim Pereira de<br>Oliveira | Civil protection applications in a grid supported environment         | Domingos X. Viegas<br>(UC)      | A. Pina                  | JMV            |
| 11:00 | <i>coffee break</i>                  |   |                                 |                          |                |
| 11:30 | Ricardo Manuel Pereira<br>Vilça      | Large-scale decentralized object store                                | Rodrigo Rodrigues               | Rui Oliveira             | JLO            |
|       | Hugo Sereno Ferreira                 | Adaptive object modelling: Patterns, tools and applications           |                                 | A. Aguiar, Pascoal Faria | JLO            |
|       | Bárbara Vieira                       | Formal Verification of Security Policies of Cryptographic<br>Software |                                 | Manuel Barbosa (UM)      |                |
|       | José Pedro Garcia<br>Oliveira        | Integrated enterprise messaging architecture                          |                                 | José O. Pereira          | JLO            |