

Advanced Software Engineering Techniques 2025 – Projects

adiftene@info.uaic.ro

Project themes

- ▶ In the first two weeks you should find a place in a working group (3–4–5–6 persons), a coordinator for the research part and a topic
- ▶ Topics may be proposed by you or your coordinator
- ▶ For example, for MSD will see what has proposed by Lenuta Alboaie, Emanuel Onica, Sabin Buraga, ...
- ▶ It may be a paper license that add additional advanced concepts of SE (AOP, SOA, QoS, MOP, Runtime verification, Serverless, etc.)

How we work

- ▶ On the topic set you will work in ASET lab where you will receive mark to implement advanced SE techniques
- ▶ You'll also periodically present to your coordinator (who is your customer) your progress so that in second year second semester you can get mark at Research Practice I

Distribution

- ▶ 4 Masters, 4 Domains for research topics
- ▶ Topics are related to master in which you are
- ▶ If you find a topic interesting from another group you can create mixed teams

Artificial Intelligence

- ▶ For the research part: A. Ignat, C. Frăsinaru, M. Breabăn, M. Răschip, D. Gavriluț, E. Croitoru, L. Ciortuz

Software Engineering

- ▶ For the research part: A. Iftene, V. Rădulescu, S. Buraga, L. Alboaie, Ș. Ciobâcă, D. Gavriluț, Florin Olariu

Distributed Systems

- ▶ For the research part: L. Alboaie, E. Onica, C. Vidraşcu, S. Buraga, D. Gavriluţ

Computational Linguistics

- ▶ For the research part: D. Trandabăț, I. Pistol, C. Forăscu, A. Moruz

Results ASET 2009 – 2010

- ▶ Many issues continued as dissertation topics
- ▶ Contests, publications

Sesiunea Nationala **ITS 2010**
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Rezultate Finale

Nr.	Titlu Lucrare	Autor	Institutie
Premiul 1	Sisteme de creștere a siguranței transportului rutier	Mircea CÎRCEAG, Isabela MOCANU, Răzvan MUNTEANU	an III, Facultatea Transporturi, Universitatea „Politehnica” din București
Premiul 2	Sistem distribuit de Management al Traficului	Emilian NECULA, Raluca NECULA	Master, Facultatea de Informatica, Universitatea „A.I.Cuza” Iași
Premiul 2	Sisteme de informare a călătorilor	Camelia BUNEA, Andrei ȘORIGA	an IV, Facultatea Transporturi, Universitatea „Politehnica” din București
Premiul 3	Sistem de alarmă cu transmiterea mesajului pe telefonul mobil	Alexandru STOICA	an III, Facultatea Transporturi, Universitatea „Politehnica” din București
Premiul 3	Autovehiculul hibrid	Radu DINU, Ionuț FLOREA, Diana TUDORACHE	an II, Facultatea Transporturi, Universitatea „Politehnica” din București
Mentiune	Aplicatie GPS pentru PC	Andrei GEORGESCU	Master, Facultatea de Informatica, Universitatea „A.I.Cuza” Iași

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Remote Equipment Diagnosis using Bluetooth Communication

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Rosca, G.; Daniel-Alexandru, A.; Ilina-Elena, I.; Cristina, L.; Mihai, M.; Paval, D.; Iftene, A.;
Fac. of Comput. Sci., Al.I.Cuza Univ., Iasi, Romania

This paper appears in: [Roedunet International Conference \(RoEduNet\), 2011 10th](#)

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ABSTRACT

The following document describes the way Mobile ELM works and what is its real life applicability in mobile equipment industry. The solution presented by us has the main advantage that it can use Bluetooth communication in order to create a communication channel between software that monitors hardware components, and our application that signals every undesirable behavior. In this way in the future will not be

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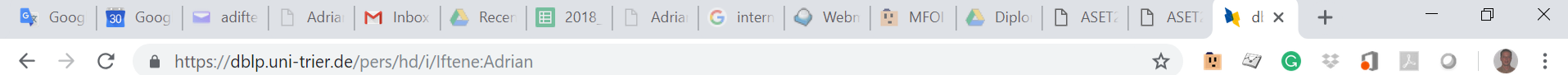
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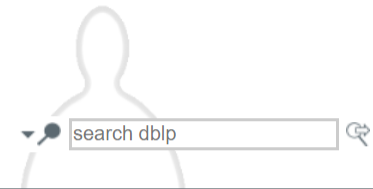
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Author(s): Ginsca Alexandru-Lucian; Iftene Adrian
Editor(s): Brad R
Conference: 9th RoEduNet IEEE International Conference Location: Sibiu, ROMANIA Date: JUN 24-26, 2010
Sponsor(s): Minist Educ, Res & Innovat; ARNIEC/RoEduNet Agcy; IEEE Romanian Sect; Univ Sibiu, Lucian Blaga; BOROMIR; Confucius Inst
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Editor(s): Peters C; Caputo B; Gonzalez J; et al.
Conference: 10th Workshop of the Cross-Language Evaluation Forum Location: Corfu, GREECE Date: SEP 30-OCT 02, 2009
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