brief report on scientific life at Faculty of Computer Science – FII

2004/2005

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attention, please...

thank you!

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agenda

• Scientific Research Activity at FI1
• Near Past
• Present
• Near Future
• Perspectives
research: general outlook

• Scientific interest groups
  – Meetings
  – Research projects & collaborations
  – Publications (TRs, articles, books,...)
  – Scientific events

• M.Sc. Studies
  – Implication of interested/gifted students

• Doctoral School
  – Same as above (at a higher level)
research: general outlook

• Research life is reflected also by:
  – Our publications
  – Our implication at national level (Minister, Academy, professional & scientific associations, other faculties,...)
  – Our implication at international level (EU, universities, PC membership, professional/scientific associations,...)
  – Our cooperation with third party organizations (e.g., industry)
  – Our visibility (on Web, especially)
research: general outlook

• We need:
  – Research infrastructure
    • Documentation, hardware, software, people
  – More presence (national/international)
    • Events, articles, grants,...
  – Implication of young personnel into activity of research groups
    • Supervisors, regular meetings, strong Ph.D. activity,...
  – Visibility (via Web or other ways)
research: near past

• Combinatorial optimization
• Database theory
• Distributed & parallel computing
• Formal methods in software engineering
• Game Theory
• Human language technologies
• Information security
• Computing inspired by nature
• Non-classical logics
• Web technologies
research: near past

• Results (2004–2005):
  – International journals: >10
  – International proceedings: >20
  – National journals: 3
  – National proceedings: >10
  – International books: 1
  – International book chapters: 3
  – National books: 6
  – International grants: 4
  – National grants: 4
  – Proposed international grants: 6
  – Proposed national grants: 7
research: near past

• Results (2004–2005):
  – Edited international proceedings: 1
  – Edited national proceedings: 2
  – PC membership: >10
  – Invited talks: 4
  – Organized international events:
  – Organized national events:
    ROSYCS 2004, RoCHI 2005
  – Obtained Ph.D. titles: 1 (Cum Laude) + 2
  – International scholarships: 5
research: near past

• Results (2004–2005):
  – Re-evaluation of Annals (CS section) – class B national publication
  – Presence in “Carta Alba a Cercetarii Universitare Romanesti”
  – Presence in National Experts Registry
  – New Master on Software Engineering
  – New 2 Ph.D. supervisors
  – New collaborations at international/national level
  – More TR published
  – “Regular” short invited talks (Aquarium)
  – Donations of books/articles (FII Library)
research: present

• Strong presence of research/interest groups on:
  – Combinatorial optimization
  – Computing inspired by nature (genetic algorithms & bioinformatics)
  – Distributed & parallel computing
  – Formal methods in software engineering
  – Human language technologies
  – Information security
  – Web technologies
research: present

• Projects:
  – AMASS (FP6), Brancusi, ECO–NET (Paris 12, e–Austria Institute), I*Teach (Leonardo da Vinci), ROTEL (CEEX)
  – CNCSIS 2005
• Project proposals (pending)
  – INTAS RoLTech, Lille 3, Meaning+ (FP6)
  – CNCSIS 2006
• Cooperation with industry:
  – Microsoft, Siemens PSE, Siemens VDO Automotive, TechNord
  – Polirom Publishing House
research: present

- Doctoral School
  - Director: Prof. Toader Jucan
  - 3 year Ph.D. studies
  - 4 local supervisors
    - D. Cristea
    - H. Luchian
    - T. Jucan
    - F. Tiplea
research: present

• Research activity reflects our finances
  – From UAIC (Minister)
  – From national and international grants
  – From sponsors
• Annual prize for best Ph.D. thesis
research: near future

- New admissions at Doctoral School
- Scientific Session of FII – UAIC Days (October 2005)
- Ph.D. thesis presentations
- Grant competitions
  - CEEX Programme – www.mct-excelenta.ro
    - Deadline: 30 October 2005
  - FP7 Programmes – www.cordis.lu/fp7
    - Soon!
  - Others
- Further events (workshops, summer schools,...) and collaborations
research: perspectives

• A true research infrastructure
  – Scientific intranet (including collaborative tools)
  – Hardware & software
  – Scientific literature
  – More implication of young personnel and students
• From personal success(es) to group success(es)
• Regular presentation of research activity (local seminars, invited talks, TRs, projects,...)
• More powerful Annals (CS section)
• Reactivation of our Research Center
research: perspectives

- Learning how to write successful applications to (inter)national programmes
- New M.Sc. and Ph.D. directions
- Post-doctoral studies
- Presence in official structures (ministerial commissions, organizations,...)
- Affiliation to (inter)national consortia, partnerships
- More participation to (inter)national scientific events and grant competitions
good luck in your activity!

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Any questions?

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