

PHD DAY – February 2nd, 2018; Sala Stringa, FBK, Povo, Trento

Video teaser: <https://youtu.be/mv3LVhJu7U>

Best poster selection: every participant can vote for the best poster by sticking a “best poster” sticker on the poster. Two stickers are delivered to each participant at the reception desk outside Sala Stringa.

Morning

[9:00-9:10] Welcome [Paolo Tonella]

[9:10-10:10] Keynote: *From language to computation across the mountains to the sea*, by Elena Cabrio, University of Nice Sophia Antipolis, France

[10:10-10:20] Message from FBK's President, Francesco Profumo

[10:20-10:50] Poster flash talks

[10:50-11:10] Coffee break

[11:10-12:40] Poster session (3rd-4th year students)

1. Martina Azzolini, *Monte Carlo simulations of electron transport in solid targets*
2. Andrea Capuano, *A miniaturized Split-Flow thin fractionation system for on-line protein separation*
3. Simone Centellegher, *M-Pesa: behavioral modeling of product adoption and sustain usage*
4. Biniam Fisseha Demissie, *Security Testing of Android Apps*
5. Marco De Nadai, *Quantifying the relation between urban environment, socio-economic conditions, mobility and crime in multiple cities*
6. Ahmed Fadhil, *CoachAI: A Conversational Agent Assisted Health Coaching Platform*
7. Davide Giovanelli, *Managing mobile groups in smart cities with wireless devices*
8. Pawel Gomoluch, *Learning-enhanced automated planning*
9. Davit Harutyunyan, *Flexible Functional Split in 5G Networks*
10. Gunel Jahangirova, *Failed Error Propagation in Java Programs with Real Faults*
11. Moustafa Khatib, *THz Radiation Detection Based on CMOS Technology*
12. Reza Khoshkangini, *Personalized Game Content Generation and Recommendation for Gamified System*
13. Antonio Massaro, *Learning and control of multiagent systems in stochastic environments*
14. Tommaso Morresi, *Modeling and simulations of carbon structures on a Beltrami pseudosphere*
15. Yaroslav Nechaev, *SocialLink: Linking Knowledge Bases to Social Media Profiles*
16. David Novel, *Hollow fibers, Graphene nanocomposites & Bionic silk*
17. Federico Sinigaglia, *Security Analysis of Strong Authentication Protocols*
18. Swathikiran Sudhakaran, *Convolutional Long Short-Term Memory Networks for Recognizing First Person Interactions*

Afternoon

[14:00-15:00] Keynote: *Being a researcher (from inside)*, by Antonia Bertolino, ISTI-CNR, Pisa, Italy

[15:00-16:00] Short presentations (students graduating in Spring 2018)

1. Ivan Donadello, *Semantic Image Interpretation: Integrating Data and Knowledge for Cognitive Vision*
2. Amin Farajian, *Online Adaptive Neural Machine Translation*
3. Andrea Gaiardo, *Innovative chemoresistive materials for gas sensing and development of silicon and quartz MEMS devices*
4. Simone Ghio, *Design and microfabrication of multifunctional bioinspired surfaces*
5. Didem Gundogdu, *Urban Social Well-Being Under the Light of New Source of Data*
6. Ahmed Irfan, *Incremental Linearization for Satisfiability and Verification Modulo NonLinear Arithmetic and Transcendental Functions*

[16:00-16:20] Coffee break

[16:20-17:40] Short presentations (students graduating in Spring 2018)

1. Antonio Marsico, *Enabling Novel Interactions between Applications and Software-Defined Networks*
2. Eleonora Mencarini, *A Conceptual Framework for the Design of Wearables for Outdoor Sports*
3. Federico Pederzoli, *Resource Allocation and Modeling in Spectrally and Spatially Flexible Optical Transport Networks*

4. Andrea Pedrielli, *Modeling and simulations of low dimensional and nanostructured systems at the nanoscale*
 5. Francesco Segatta, *Modeling quantum properties and nonlinear spectroscopy in complex systems of interacting molecules*
 6. Giada Sciarretta, *A Methodology for the Design and Security Assessment of Mobile Identity Management: Applications to real-life scenarios*
 7. Hari Siswanto, *Automated Analysis and Synthesis for the Compliance of Privacy and Other Legal Provisions*
 8. Yady Tatiana Solano, *Advanced Methods for the Analysis of Multitemporal Multispectral Satellite Images*
- [17:40-18:10] Best Student Award, Excellence Certificates, Best Poster Award; short talk by the Best Student Award recipient

Keynotes

Title: From language to computation across the mountains to the sea

Speaker: Elena Cabrio

Abstract: Often I don't know what to say when people ask how I came to be an Assistant Professor in a Computer Science Department, while I have a Master degree in Linguistics. How I came to have a position in Academia, while I've always thought that Industry would have been my favourite choice. How I came to live abroad, while I love the place I come from. Like many stories, mine has multiple changes of direction, that I did not always expect or predict. In this talk, I will go backwards through my experience, shedding light on my trajectory as a scholar.

Short bio: Elena CABRIO is Assistant Professor at the University of Nice Sophia Antipolis (France). Her work focuses on Natural Language Processing, and in particular on argument mining and information extraction. In April 2011 she received the Ph.D. from the Information and Communication Technologies International Doctoral School at University of Trento (Italy), with a thesis on the Textual Entailment approach to semantic inferences. She conducted her PhD research in the Human Language Technology Unit at Fondazione Bruno Kessler (FBK) in Trento. During her PhD, she spent a 6-month internship in the Parsing and Semantics Group at Xerox Research Center Europe in Grenoble (France). In 2011, she moved to INRIA Sophia Antipolis for a three-year postdoc.

Title: Being a researcher (from inside)

Speaker: Antonia Bertolino

Abstract: The speaker has been a researcher in a large public research body for more than 30 years. She has reached the top of the career and is renowned within the international community. Based on her experience, the talk offers a retrospect of what it entails to be a researcher, surveying the good and the bad of scientific research as a profession and as a life style. Please come with your questions and doubts, and don't be shy to ask.

Short bio: Antonia Bertolino (<http://www.isti.cnr.it/People/A.Bertolino>) is a Research Director of the Italian National Research Council (CNR), in Pisa. Her research interests cover software and services validation, testing, and monitoring, and on these topics she worked in several national and European projects, including the ongoing H2020 ElasTest. Currently she serves as Senior Associate Editor for the Elsevier Journal of Systems and Software, and as an Associate Editor of ACM Transactions on Software Engineering and Methodology, of Springer Empirical Software Engineering, and of Wiley Journal of Software: Evolution and Process. She serves regularly in the Program Committee of the most renowned conferences in the field of Software Engineering, such as ESEC-FSE and ICSE, and in software testing and analysis, as ISSTA and ICST. She was the General Chair of the 2015 edition of the flagship ACM/IEEE ICSE in Florence (Italy). She has (co)authored over 150 papers in international journals and conferences.