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Samira El Yacoubi · Franco Bagnoli ·
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Internet Science

6th International Conference, INSCI 2019
Perpignan, France, December 2–5, 2019
Proceedings

Editors

Samira El Yacoubi 
University of Perpignan Via Domitia
Perpignan Cedex 9, France

Franco Bagnoli 
University of Florence
Sesto Fiorentino, Italy

Giovanna Pacini 
University of Florence
Sesto Fiorentino, Italy

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Preface

This volume contains the papers presented at the 6th International Conference on Internet Science (INSCI 2019), which was held during December 2–5, 2019, in Perpignan, France.

INSCI is a series of international conferences on Internet Science that were initiated in 2013 within the framework of the FP7 European Network of Excellence in Internet Science (EINS). The goal of EINS is to coordinate and integrate European research aimed at achieving a deeper multidisciplinary understanding of the development of the Internet as a societal and technological artefact which increasingly evolves with human societies. INSCI aims at pursuing the main EINS objective which consists of creating a real open and productive dialogue between all disciplines which study Internet systems under any technological or humanistic perspective.

INSCI 2019 was organized by IMAGES Espace-DEV from the University of Perpignan Via Domitia in association with the University of Florence and supported by the Institute of Research for Development (IRD). This conference built on the success of the first and second editions of INSCI which took place in Brussels, Belgium, and were organized as an EINS project, with the support of the European Commission. In its third year, the conference moved to Florence, Italy, with support from the Collective Awareness Platforms for Sustainability and Social Innovation (CAPS) initiative. In 2017, the conference was organized by CERTH Information Technology Institute in Thessaloniki, Greece. In 2018, the fifth edition took place in St. Petersburg, Russia, and was organized by the School of Journalism and Mass Communications and the Faculty of Applied Mathematics and Control Processes, St. Petersburg State University.

INSCI is a conference with a unique and precise scope; despite its wide-encompassing title, it focuses on interdisciplinary views on the Internet and Internet platforms as tools for people's engagement, opportunities, and better quality of life. Internet Science is a multidisciplinary field based on computer and communication science but covering many other disciplines like mathematics, sociology, anthropology, physics, complex systems analysis and control, economics, law, political science, literature, history, teaching techniques, etc.

Internet Science constitutes a very broad concept that includes the technical parts concerning protocols and connections, but also the contents and applications, and, more importantly, the people. The Internet is changing our lives, and therefore many crucial questions have arisen: How do people behave on the Internet? Are they changing their lifestyle and how? Can the Internet promote sustainability, cooperation, and collective intelligence? Can it support open democracy and policy making? How can awareness of possibilities and dangers of the Internet be promoted? What about topics like intellectual properties, privacy, reputation, and participation? What are the juridical aspect of the Internet? What about arts and humanities in general?

INSCI 2019 aimed at providing a good opportunity to bridge the academic and industrial communities in northern and southern countries in order to converge to a

noble idea of the role that the Internet should play. The theme, “The Internet and Geopolitical Crossroads,” dealt with the development of practices, platforms, and communication channels to promote the integration of southern European, Mediterranean, African, and Latin American countries with in a peaceful world, where the discussion of political freedom, migrant problems, health, and citizen participation can be promoted.

In the current volume, the best conference papers are published. From 45 submissions, 30 were selected for publication. They are organized into five thematic chapters.

The first chapter is devoted to the social aspects of the Internet, since most of the value of this network is given by humans and their contributions. The second chapter is devoted to the cognitive aspects of internet-mediated interactions. The third chapter contains papers related to some technical and technological aspects of communication, while the following chapter is related to data mining and analysis. Finally, the last chapter contains papers presented in the workshop about well-being and ageing.

This focused and intense program would not have been possible without the help and continuous encouragement of a number of people especially the members of Steering Committee who supported the organization of INSCI 2019 in Perpignan, France.

We express our gratitude to the Program Committee, as well as to the reviewers and local organizers, panel and workshop chairs, for their commitment and hard work. We are grateful to all the scientists that submitted their works, authors of published papers, and conference participants for their precious contribution.

Finally, the organization of INSCI 2019 was made possible thanks to the financial support of several institutions: the University of Perpignan Via Domitia, the Institute of Research for Development - IRD, the UMR Espace-DEV, the European Project InSPIRES, and the International Network of Systems Theory TDS. We are happy to see the conference expanding in its scope and coverage, and look forward to INSCI’s future editions. We also thank EasyChair for the extremely important piece of publicly accessible software they developed.

September 2019

Franco Bagnoli
Samira El Yacoubi
Giovanna Pacini

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