

CALL FOR IDEAS

TRACKING INNOVATION TRAJECTORIES IN THE COMPLEX ECONOMY

Network analysis and big data for risk mitigation

Talent Garden Fondazione Agnelli – Turin, Italy
October 2019, 7–9



Organized by



Supported by



POLITECNICO
DI TORINO



Technical Sponsor



CALL FOR IDEAS

THE CONFERENCE

It is our pleasure to announce the next upcoming workshop on innovation and complexity that will be held in **Turin** (Italy) on **October 7 – 9, 2019**.

The aim of the workshop is to tackle the complex challenge of forecasting innovation, as well as the socio-economic impacts of disruptive technologies. As the prospected Authors you are warmly invited to join us for this enriching meeting and to submit your contribution.

TOPICS

Topics covered during the workshop include:

- » Economic Complexity and complex networks – both theory and applications;
- » Coevolution of Science, Technology and Production (including multilayer networks approaches);
- » Bibliometrics and indicators for interdisciplinary research;
- » Big data for economics and innovation;
- » Technological forecasting;
- » Innovation value-chains specialization into public sectors, large firms and start-ups;
- » Integration between complex networks and machine learning;
- » Quantitative approaches to RRI and impact assessment.

The event will provide the participants with an excellent opportunity to look into the up-to-date developments in the allied fields which and to discuss their research with leading scholars in the field.

CONFIRMED SPEAKERS

Guido Caldarelli

Full Professor of Theoretical Physics, IMT Lucca (IT) & President, Complex System Society

Giovanni Dosi

Full Professor of Economics, Sant'Anna School of Advanced Studies

Doyne Farmer

Baillie Gifford Professor of Mathematics, University of Oxford & Director of Complexity Economics, INET Oxford Martin School

Silvia Giordano

Professor & Head of Networking Lab, University of Applied Sciences and Arts of Southern Switzerland (SUPSI)

Alan Kirman	Professor Emeritus of Economics, University of Aix Marseille III (FR) & Director of Studies, Ecole des Hautes Etudes en Sciences Sociales (EHESS, FR)
Luciano Pietronero	Full Professor of Physics of Condensed Matter, Sapienza University of Rome (IT) & Associate, CNR – Institute for Complex Systems
Ismael Ràfols	Senior Researcher, Ingenio (CSIC-UPV, València – ES) & Visiting Professor, Leiden University

BACKGROUND

The way research is communicated impacts on the effectiveness to arise interest in the audience and to receive feedbacks and feedforwards from the auditors. As young researchers and students, we are aware of the importance these may have in the progresses of our work, particularly when these come from senior and experienced scholars. However, the chances of interacting with senior researchers are either limited or structured in highly-formalised contexts.

For these reasons, as future-minded as the conference issue, **the workshop aims to innovate the way in which research ideas are developed and presented**, while designing a **networking environment** facilitating creativity and discussion.

Borrowing formats now trending in the start-ups area, the workshop will give young and brilliant researchers the chance to **discuss their own research projects with selected conference lecturers**, allowing them to collect advices and suggestions on how to develop their research works. At the end of each day of the workshop, a set of **15-minute coffee-tables** will be arranged, in order to let young researchers and expert scholars freely interact in an informal setting.

During the last day of workshop, the outcomes of the informal talks will be collected in a unique panel, framing the topics covered during the discussion. Each research idea will be, of course, authored by the proponent. Nonetheless, in order to promote co-authorship and collaborations, a network of ideas – and people willing to work on the same topic – will be created among the concepts that will emerge. The aim of this final panel is also to highlight the need of more transdisciplinary cooperation among the fields. Moreover, the panel will help delineating in which fields research work should be encouraged and addressed.

SUBMISSION

Young researcher and students who are keen about joining the coffee-table research ideas can send their application by July 31, via the application form available at <http://bit.ly/INET2019Turin>.

We encourage the submission of digital media detailing the research idea, in particular infographics, 1 PowerPoint slide or a 180-second video/recording.

Works should be submitted in English. Selected applicants will be grouped according to research field and will have 15 minutes to engage a discussion with an expert scholar in their own topic of interest. Outstanding applicants will be considered for travel costs support. Again, during discussion any supporting material is encouraged.

Submissions will be evaluated and selected through a peer review process from our scientific committee:

Guido Chiarotti	Scientific Director, IN Srl
Magda Fontana	Assistant Professor of Public Economics, University of Turin & Senior Researcher, DESPINA Lab
Andrea Gabrielli	Senior Researcher, CNR – Institute for Complex Systems
Francesco Laio	Full Professor of Hidrology, Polytechnic of Turin

DEADLINE Submission deadline: **2019, 31 July**

CONTACT For more details, please visit our website:
<http://inet2019.associazionecest.it>

Please do not hesitate to contact us: inet2019@associazionecest.it

APPLY NOW