



Collegio Carlo Alberto  
UNIVERSITÀ DEGLI STUDI DI TORINO



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## International Workshop

### The digital world, cognition and behaviour

Turin, 29<sup>th</sup> - 30<sup>th</sup> November, 2019 Collegio Carlo Alberto

### Call for papers

The Herbert Simon Society brings together cognitive scientists, economists, social scientists and philosophers aiming to renew the fundamental concepts of rationality and social action. Starting from the seminal work of Herbert A. Simon in economics, psychology, computer science, organizational theory, philosophy of science, the HSS wishes to tackle the current debate about the crisis of economic and social rationality, the alternative architectures of mind, the mind-brain relations and the simulation of creativity.

### Objectives

In recent years, digital technologies have become incredibly pervasive in our daily life. This process has brought about many advantages, but it has also changed numerous human cognitive practices in different ways, leading to the rise of new problems and challenges. For example, in the wake of an ever- growing presence of digital technologies we are constantly called to manage a staggering amount of information, communications and notifications (the so-called “information overload”) and we keep being interrupted, dividing our attention across several tasks at the same time. By providing new ways of storing and retrieving information, digital technologies have modified the function and the role of human memory. In general, digital technologies have changed the role of many cognitive abilities in our daily life, making some of them more necessary while rendering others seemingly obsolete. One of the crucial abilities required by the digital world is the ability to evaluate information and to discriminate between real and fake news online.

Against this background, cognitive and behavioural scientists are called to help policy- makers understand how digital technologies are reshaping our minds. In this sense, it becomes necessary to understand which cognitive abilities would be required in the digital world to cope with information overload or to debunk fake news, and how we can facilitate the development of such abilities among internet users. Furthermore, there is the need to understand which heuristics and biases occur when we navigate the internet, as well as how our behaviour could be nudged through big data, for the purpose of establishing some safeguards for modern societies against any improper uses of such data.



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## Potential topics to explore include

**Main Conference Topics** (it's a potential list but topics are not limited to the following):

- Fake news, epistemic attitudes, and cognitive abilities.
- Heuristics, ecological rationality and digital decision making.
- Biases and heuristics in the digital world.
- Big data and their cognitive, epistemic, and ethical implications.
- The Behavioural sciences in E-Commerce and Advertising.
- The digital nudging and Democracy.
- Attention, task switching, and multitasking.
- Reading and digital reading in the digital era.
- Digital well-being: theoretical perspectives and empirical insights.
- Cognitive artefacts, cognitive techniques, and digital technologies.
- Cognitive affordances and cognitive properties of digital technologies.
- Digital and cognitive persuasion in gamification: ethical issues.
- Social networks, social comparison, and digital communication.
- Digital stress and information overload.
- Emotions and emotional intelligence in the digital world.
- The design of addiction of digital technologies.
- Fintech, Bot and Artificial Intelligence in Digital Financial Decision making Cybersecurity.
- Risk perception and security in the web.
- Fake news and digital populism.



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## Programme

The programme includes a series of talks by invited speakers and a call for papers addressed to the international academic and scientific community.

The workshop will extend over two days. The WS will start on the early afternoon of the 29<sup>th</sup> of November and it will end on the late afternoon of 30<sup>th</sup> of November.

The best contributions will appear in a special issue of Mind & Society.

## Invited speakers

**Hersh Shefrin** (Santa Clara University): Digital Financial Decision Making and Bounded Rationality

**Gerd Gigerenzer** and Kostantinos Katzikopoulos (Harding Centre-Max Planck Institute, Berlin): Google Big Data Failures in Predicting the Future

**Fabio Paglieri** (CNR, Rome): Behavioural Sciences Fighting Fake News

**Pete Lunn** (ESRI- Economic and Social Research Institute, Dublin and Head of the ESRI's Behavioural Research Unit):

**Andrew Manches** (Edinburgh): Education and Digital Dangers

**Laura Martignon** (University of Ludwigsburg): How digital media are transforming Math Instruction

Chairman: **Riccardo Viale** (Herbert Simon Society)

Scientific Secretary: **Marco Fasoli** (Università di Milano-Bicocca) [marco.fasoli@unimib.it](mailto:marco.fasoli@unimib.it)



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## Important Notes

Single papers from all possible disciplines dealing with the topics of the conference can be submitted (see relevant topics below), sending title and extended abstract (up to 800 words) to [callforpapers@herbertsimonsociety.org](mailto:callforpapers@herbertsimonsociety.org). A pool of referees of the Herbert Simon Society will review and evaluate the proposals (according to their relevance, originality and rigor).

## Publication Opportunities

All accepted abstracts and full papers will be published in the conference proceedings available on the HSS website <https://herbertsimonsociety.org>

High quality papers will be given the opportunity to be published in a special issue of Academic Journal "MIND & SOCIETY" edited by Springer [www.springer.com/economics/journal/11299](http://www.springer.com/economics/journal/11299).

## Conference Fee

- 170,00 € for Seniors (from 31 years upwards)
- 130,00 € in case you have been a member in the past 2 years
- 100,00 € for Juniors (up to 30 years)
- 80,00 € in case you have been a member in the past 2 years

## Dates and Information

- The deadline for sending the abstract is on August the 30<sup>th</sup>.
- Abstract up to 800 words.
- Acceptance will be communicated by the 30<sup>th</sup> of September.
- Deadline for Registration: the 31<sup>st</sup> of October.
- Papers must be sent to: [callforpapers@herbertsimonsociety.org](mailto:callforpapers@herbertsimonsociety.org)

## Organizing Secretariat

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<https://herbertsimonsociety.org>