SUMMER SCHOOL

PROGRAM CODE
SSLCOMO60

PROGRAM DURATION
5 Days

DATES
18-22 September 2017

CREDITS
2,5 ECTS

TUITION
School Registration Fee: 460€, including School Registration and the attendance, teaching material, coffee breaks and lunches. It doesn't comprise the accommodation.
It is possible the participation to single days. The fee for one single day is 160€, including coffee breaks, lunch and teaching material.

University of Milano-Bicocca
Lake Como School of Advanced Studies

INTERNATIONAL SUMMER SCHOOL ON "ADVANCES IN COLLECTIVE INTELLIGENCE: CROWDS, BIG-DATA AND COMMUNITY RESILIENCE"

DESCRIPTION OF THE COURSE

The past few years have seen a growing popularity and maturity of collective intelligence research, enabled by advances in information technology and complex systems sciences. Collective intelligence is defined as a shared or group intelligence emerging from the collaboration, collective efforts, and competition of many agents (human or artifacts).

The discipline intrinsically grows in a cross-disciplinary research, involving computer science, cognitive science, political science, economics, organization theory, sociobiology, crowd and network sciences. Moreover, big-data research and applications create new opportunity to develop the design of new perspectives for the growth of collective intelligence towards many complex systems and organizations.

The main purpose of the School is to enable participants to the most relevant issues and tools supporting new research and application scenarios involving collective intelligence, focusing on the main topics of crowds (from crowdsourcing to crowd management), big-data (large and complex data sets coming from distributed sources to be dealt with innovative data processing application software), and community resilience (sustained ability of a community to utilize available resources to respond to, withstand, and recover from adverse situations).

Exam
The organization of the courses includes presentations, discussions and contributions in a cross-disciplinary environment, and will also propose research challenges and open issues, as well as concrete case studies related to research and application projects. Participants will be asked to actively contribute in the discussions and PhD students will be required to develop a final project proposing a novel integrated research or application proposal exploiting the knowledge and information acquired throughout the courses.

Contents covered
The program will consist of a total of 5 sessions, as follows:
- Session 1: The Big-Data Revolution
- Session 2: Big Data and Data Analytics
- Session 3: From Data Analytics Towards Data Semantics
- Session 4: Big-Data and Economics
- Session 5: Collective Intelligence: From Crowds to Communities

Scientific committee: Stefania Bandini, Department of Computer Science, Systems and Communication, University of Milano-Bicocca — Matteo Manera, Department of Economics, Management and Statistics, University of Milano-Bicocca — Mario Mezzanzanica, Department of Statistics and Quantitative Methods, University of Milano-Bicocca — Katsuhiro Nishinari, Research Center of Advanced Science and Technology, The University of Tokyo

Organizing institution:
PhD School of the University of Milano-Bicocca with: Department of Computer Science, Systems and Communication — Department of Economics, Management and Statistics — Department of Statistics and Quantitative Methods

Deadline for registration: September 10, 2017
www.csai.disco.unimib.it/CSAI/ComoSchool2017/registration.html

Location: Villa del Grumello - Lake Como School of Advanced Studies, Como (Italy)
Website: http://www.villadelgrumello.it//?q=en

Summer School Program:
www.csai.disco.unimib.it/CSAI/ComoSchool2017/program.html

For further information, contact:
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