

**This event is organized by
the Italian Society for
Applied and Industrial
Mathematics (SIMAI)**

In this CAE Conference
satellite meeting academics
and professionals
will explore some of the
current challenges and
opportunities for research
in mathematics
with an emphasis on
Industry 4.0 applications.

Visit the International CAE
Conference and Exhibition
website about the other
scheduled events and
the conference agenda:

www.caeconference.com

REGISTRATION

Participation in this event
is free of charge,
but registration is mandatory.

To register please fill out the form,
ideally before 13rd October,
using the following link:

www.caeconference.com/simai.html

VENUE

Vicenza Convention Centre
@Fiera di Vicenza

Via dell'Oreficeria 16
36100 Vicenza | ITALY

DATE

7th November, 2017

HOURS

9:00 - 17:30

SIMAI
SOCIETÀ ITALIANA DI MATEMATICA
APPLICATA E INDUSTRIALE

7th November, 2017 | 9:00 - 17:30

M414
Mathematics
for Industry 4.0

Mathematics and computer science has had enormous effects on industrial innovation, even instrumental to open up new type of business, like the Page Rank algorithm at the base of Google web search procedures.

Industry 4.0 opens up new challenges to the industrial as well as to applied mathematicians. For instance, how to analyze the huge amount of, often heterogeneous, data potentially at disposal in order to provide useful information in a timely manner, how to integrate data awareness in the mathematical models that drive the optimization of industrial processes, logistics, production planning and supply chain management.

And again, how to address data security issues, data variability and uncertainties.

To meet these challenges we need to foster a better awareness among industrial managers as well as mathematicians in academia of **the key role of research in mathematics for Industry 4.0.**

AGENDA

9:00 - 9:30 Reception

9:30 - 15:00 Plenary Session

9:30 - 10:05 Dietmar Hoemberg, *President of ECMI*

10:05 - 10:25 Simone Vantini, *MOX, Politecnico di Milano*

10:25 - 10:45 Nevio Dubbini, *Miningful Studio*

10:45 - 11:05 Cristiano Malossi, *IBM Research GmbH*

11:05 - 11:45 Coffee Break

11:45 - 12:20 Michele Piana, *Università di Genova*

12:20 - 12:40 Enrico Busto, *Addfor SpA*

12:40 - 13:00 Fabio Iannello, *Tecniplast SpA*
and Luca Turconi, *MOXOFF SpA*

13:00 - 14:20 Lunch

14:20 - 14:40 Carlo Torniai, *Pirelli SpA*

14:40 - 15:00 Christophe Prud'homme, *AMIES*

15:00 - 16:30 Tavola rotonda (italiano)

Fiorenzo Bellelli, *Warrant Group Srl*

Silvia Vermicelli, *Sportello Matematico per l'Industria Italiana*

Luca Prati, *Mathesia Srl*

Luca Formaggia, *President of SIMAI*

ORGANISING COMMITTEE:

Ottavio Crivaro, MOXOFF SpA

Giorgio Fotia, CRS4

Edie Miglio, Politecnico di Milano

Manolo Venturin, EnginSoft SpA

AIM OF THE EVENT

To gather managers and researchers both from Industry and Academia to increase the awareness on the role of mathematics to the themes of industry 4.0, and industrial innovation in general.

Increase the knowledge of SIMAI and of its role for industry.

TARGET AUDIENCE

Industrial researchers, technical managers, academics in the field of applied mathematics.