

EUROPEAN SPRING FEDERATION



[www.esf-springs.com](http://www.esf-springs.com)

ESF is a Federation of European National Spring Association. Its membership comprises National Spring Association of Austria, Finland, France, Germany, Italy and Spain as well as some companies of Denmark, Sweden, Switzerland, Poland, and United Kingdom. The objective of the Federation is to look after and further the interests of its members at European and international level.

**ANCCEM**<sup>®</sup>

ASSOCIAZIONE MOLLIFICI ITALIANI

[www.anccem.org](http://www.anccem.org)

ANCCEM, National Association of Italian Springmakers, is based in Brescia.

Established in 1972, ANCCEM has undertaken and promoted continuous studies and researches on production costs under the Italian spring factories. It organizes annual workshop concerning strategies and development models for spring makers.

ANCCEM publish a technical manual, the magazine "MOLLIFICIO Notizie" and training manuals.

### OUR PARTNERS:



## 9<sup>th</sup> INTERNATIONAL CONGRESS of Spring Industry

September 29<sup>th</sup> - October 1<sup>st</sup>, 2017  
Taormina / ITALY

### ATAHOTEL CAPOTAORMINA

Via Nazionale, 105  
98038 Taormina -Italy

[www.atahotels.it/hotel/atahotel-capotaormina/](http://www.atahotels.it/hotel/atahotel-capotaormina/)  
Tel. +39 0942 572111

### OFFICIAL MEDIA PARTNER:

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ANCCEM - Associazione Mollifici Italiani

Phone +39 030 2219 3270  
Email [info@anccem.org](mailto:info@anccem.org)

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# INVITATION

# CONGRESS PROGRAM

Friday, September 29<sup>th</sup>, 2017

8.30 Start registration in hotel

9.00 Welcome to participants  
*Michel Fauconnier*, ESF President

9.15 **MIGRATIONS: IMPACT ON EUROPEAN SOCIETY AND LABOR**  
*Mauro Magatti* - Full professor of Sociology at the Catholic University of Milan

10.00 Coffee break

10.30 **ECONOMIC SITUATION OF THE SPRING INDUSTRY IN DIFFERENT PART OF THE WORLD**  
Overseas speakers: Brazil, China, Japan, Korea, USA; Europe speakers: Austria, Czech Republic, Denmark, Finland, France, Germany, Greece, Italy, Netherlands, Poland, Russia, Spain, Sweden, Switzerland and United Kingdom.

12.30 Lunch at hotel

14.00 **REPORT OF ISO TC 227 "SPRINGS"**

14.15 **NEW DEVELOPMENTS FOR THE SPRING TECHNOLOGY**

**New concept for composite compression springs**

*Martin Petrich* - Institute of Design and Precision Engineering, Machine Elements, TU Ilmenau

**Specialist Polymer Lightweight springs: Innovative processing using Conventional Equipment (SPLICE)**

*Richard Dignall* - IST - The Institute of Spring Technology Ltd. - Sheffield

**Prediction of pre-setting value for helical compression springs**

*René Reich* - Institute of Design and Precision Engineering, Machine Elements, TU Ilmenau

**From simulation to experiments: an integrated approach to optimize shot peening**

*Mario Guagliano* - Politecnico di Milano - Dept. Mechanical Engineering

**ZG3D Device for In-line 3D Quality Control of Springs**

*Sergio Navarro* - Instituto Tecnológico de Informática - Valencia

**Experimental durability evaluation of coil springs - Influence of the test frequency under corrosion**

*S. Hoffmann* - IABG mbH, Ottobrunn

17.00 Closing of the congress

19.00 Gala Dinner (Cocktail Dress)



Thursday, September 28<sup>th</sup>, 2017

19.00 Welcome Dinner

## PARTNER TOUR

Friday, September 29<sup>th</sup>, 2017

9.30 Visit the Archaeological Park of Siracusa

## SOCIAL PROGRAM

Saturday, September 30<sup>th</sup>, 2017

9.30 Etna excursion

Sunday, October 1<sup>st</sup>, 2017

9.30 Tour in Taormina

