

The workshop is organized within the 34th Edition of the International CAE Conference and Exhibition

## **ORGANIZATION & SECRETARY**

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## **VENUE**

Vicenza Convention Centre @Fiera di Vicenza Via dell'Oreficeria 16, 36100 Vicenza | ITALY

## REGISTRATION

To participate you need to register for the conference, by filling the form in the site:

www.caeconference.com



# 9 OCTOBER 2018 hours 9:30 - 12:30 Vicenza Convention Centre @Fiera di Vicenza

Via dell'Oreficeria 16 36100 Vicenza | ITALY



# **AGENDA**

#### 09.30 - 09.50 F. Weidenhiller, VSA

Dimensional Management Introduction: engineering methodology combined with computer-simulation tools used to improve quality and reduce cost. The objective is to create a design and process that "absorbs" as much variation as possible without affecting the function of the product

## 09.50 - 10.10 G. Concheri - R. Meneghello, University of Padova

GD&T: ISO & ASME standards Current regulatory framework and future trends. Main reasons for which your company should be aware of these standards (and why it is not!)

## 10.10 – 10.30 F. Leali, University of Modena and Reggio Emilia

GD&T: basic concepts Role of the standards in design intent communication: functional requirements, basic concepts in geometric deviations, datum reference frames, geometric & dimensional tolerances

## 10.30 - 10.50 E. Boesso, EnginSoft

Model Based Definition— Model Based Enterprise (MBD-MBE) CAD files used to exchange PMI (Product Manufacturing Information) data. Opportunities of data digitization and data standardization along the product development process

#### Coffee break 10.50 - 11.20

## 11.20 – 11.40 S. Cascella, Leonardo Company

Tolerance Analysis & Synthesis (Optimization) Effect of the propagation of parts-related tolerances to the final product: calculation of 3D tolerances chains, preliminary (virtual) design validation and smart corrective actions + Optimization of the tolerance widths based on the functional requirements and production-related costs

## 11.40 - 12.00 J. Stoddard, SIGMETRIX

Faster-Better-Cheaper products Benefits and Impacts adopting Tolerance Chain analysis in different industrial sectors

### 12.00 - 12.20 G. Graziosi, GOM

Dimensional Controls Leverage MDB in dimensional controls: automation of the inspection plans, conformity of the measures to the functional requirements, statistical process control and virtual evaluation of non-compliances