



INTERNATIONAL JOINT CONFERENCE ON MECHANICS, DESIGN ENGINEERING AND ADVANCED MANUFACTURING

FIRST ANNOUNCEMENT OF CALL FOR PAPERS

The International Joint Conference on Mechanics, Design Engineering and Advanced Manufacturing (**JCM 2022**) originates as the 11th Joint Conference of ADM (Associazione Nazionale Disegno e Metodi dell'Ingegneria Industriale), INGEGRAF (Asociación Española de Ingeniería Gráfica) and S.mart (Systems, Manufacturing, Academics, Resources, Technologies).



Main Conference Topics:

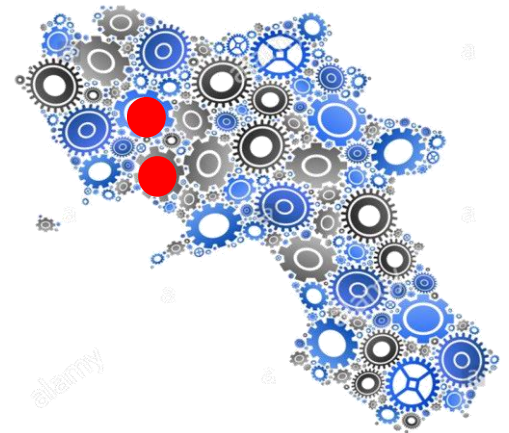
- Geometric Modelling and Analysis
- Geometrical Product Specification and Tolerancing
- Digital Acquisition and Inspection, Image Process and Analysis
- Knowledge and Product Data Management
- User-Centered Design and Virtual Ergonomics
- X-Reality for Interactive Design
- Design for Sustainability and EcoDesign
- Design for Additive Manufacturing
- Engineering Methods in Medicine
- Collaborative and soft robotics
- Digital Twin, Digital Factory, Digital model for energy transition
- Experimental Methods in Product Development
- Engineering Education

We are pleased to invite all researchers, engineers and students to submit full papers (6 pages) that will be peer reviewed for acceptance with the essential corrections and proposed for oral presentation. Beyond traditional oral panels, “pitch elevator” sessions will be organized in order to better stimulate the scientific discussions among our community.

All the accepted papers will be published on Lecture Notes in Mechanical Engineering a book edited by Springer, indexed in SCOPUS. Selected papers will be published on ISI/Scopus indexed International Journals.

The best papers of the Conference and the best papers authored and presented by a researcher younger than 35 years in age will be awarded (*Best Conference Paper Award* and *Best Young Researcher Paper Award*).

JCM 2022
June 1st – 3rd
Gulf of Naples, Italy



ORGANIZED BY



V • Università degli Studi della Campania Luigi Vanvitelli
Dipartimento di Ingegneria

KEY DATES

October 2021
Abstract Submission

January 2022
Full Paper Submission

November 2021
Abstract Acceptance Notification

February 2022
Paper Acceptance Notification

ORGANIZING COMMITTEE

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Conference Chairs

A. Lanzotti (UniNa) and S. Gerbino (UniCampania)

Conference Advisory Chairmen

ADM President – IG President – S.mart President
V. Nigrelli - Ramón Miralbes Buil - Lionel Roucoules

Scientific Committee

President

C. Rizzi (UniBg)

Organization of the scientific committee with Tracks

Track general chair

Massimo Martorelli

5 Chairs

Design Methods and Tools

Geometric Modelling and Analysis

Advanced Manufacturing and control

X-Reality for Interactive Design

Education and Representation Techniques

*More informations and specific calls for
contributions can be found online:*

www.jcm2022.com

Track: Design Methods and Tools

- Design for Sustainability and EcoDesign
- Engineering Methods in Medicine
- Experimental Methods in Product Development
- Digital Twin
- Digital Factory
- Digital model for energy transition
- Knowledge and Product Data Management
- Simulation, Analysis and Optimization
- PDM/PLM

Track: Geometric Modelling and Analysis

- Computer Aided Design
- Reverse Engineering, Digital acquisition & Inspection
- Image Process and Analysis
- Product Data Exchange and Management
- Geometric and functional characterization of products
- Surveying, Mapping and GIS techniques
- Building Information Modelling

Track: Advanced Manufacturing and control

- Design for Additive Manufacturing
- Design for Manufacturing and Assembly
- Integrated Product and Process Design
- Collaborative robotics
- Soft robotics
- Geometric Product Specification and Tolerancing

Track: X-Reality for Interactive Design

- Virtual and augmented reality
- Industrial Design and ergonomics
- User-Centered Design and Virtual Ergonomics
- AI for Image Processing and pattern recognition

Track: Education and Representation Techniques

- Teaching product design and drawing history
- Teaching Engineering Drawing
- Representation techniques