

# **9<sup>th</sup> Academia Day, May 15, 2018**

***Testing of high performance,  
lightweight and sustainable materials***

Pre-Event Social afternoon and evening, May 14

Academia Day, May 15

**Sala del Chiostro, Faculty of Civil and Industrial Engineering  
Sapienza University of Rome**

# Agenda

09:00 Registration & Refreshment

09:30 Welcome and Opening address



**Prof. Eng. Antonio D'Andrea**, Head of the Faculty of Civil and Industrial Engineering, Sapienza University of Rome



**Dr. Jan Stefan Roell** (CEO) Zwick Roell Group

09:45 Lectures



*In situ CT - New opportunities for material testing of biocomposites*

**Prof. Dr.-Ing. Hans-Josef Endres**, Fraunhofer WKI, University of Applied Science and Arts, Hannover (Germany)



*How to test the mechanical behavior of bioactive materials*

**Prof. Luis Dorfmann**, TUFTS University, Boston (USA)



*Developments on new fiber reinforced composites with thermo-compatible fabrics and ultra-lightweight metallic matrix*

**Dr. Eng. Marco Valente**, Department of Chemical Engineering Materials & Environment, Sapienza University of Rome

11:15 Coffee Break

11:30 Lectures



*The mechanic characterization for the development of biomaterials and biomedical devices*

**Eng. Roberto Chiesa**, Department of Chemicals, Materials and Chemical Engineering "Giulio Natta", Polytechnic University of Milan



*Rapid prototyping and 3D printing for aerospace applications: new frontiers for materials & components testing and characterization*

**Prof. Paolo Fino**, Department of Applied Science and Technology, Polytechnic University of Turin



*Thermal analysis and application of high performing and lightweight composites for automotive players*

**Prof. Loris Giorgini**, Department of Industrial chemistry "Toso Montanari", University of Bologna

13:00 Lunch & Poster Session

14:30 Rewarding of the Zwick Science Award Winners 2017

15:30 Lectures



*Natural fiber-based composites: sustainable solutions for advanced applications*

**Prof. Raul Figueiro**, Department of Textile Engineering, University of Minho (Portugal)



*Mechanical testing to correlate drapability characteristic to performing composite materials*

**Dr. Davide Pico**, Head of Reinforcement Fiber Division Institute of Textile Technology at RWTH Aachen University (Germany)



*Sustainability at Colgate Palmolive and material characterization*

**Eng. Valeria Usai**, Associate Director, Design and Packaging, Personal Care Products, Colgate Palmolive Europe