



## The 29<sup>th</sup> James H. Belfer (Jimmy) Memorial Symposium

# Design and Manufacturing in the Industry 4.0 Era

**Monday 28<sup>th</sup> May, 2018**

**Auditorium 6, Kahn Building, Faculty of Mechanical Engineering**

**Organizers:** Miri Weiss Cohen, Braude College of Engineering and Yoram Halevi, Technion

### Program:

9:00-9:15 Registration  
9:15-9:30 Welcome addresses

#### Session I

9:30-10:20 **Keynote Lecture:**  
**Caterina Rizzi**, Dept. of Management, Information and Production Engineering  
University of Bergamo  
*The virtual human in the digital factory*

10:20-11:00 **Ziv Belfer**, CEO, PTC Israel  
*The global forces impacting the future of CAD, product design and manufacturing*

11:00-11:30 **Coffee break**

#### Session II

11:30-12:20 **Keynote Lecture:**  
**Emanuele Carpanzano**, Dept. of Innovative Technologies  
University of Applied Sciences and Arts of Southern Switzerland  
*Human centric manufacturing: enabling technologies and application cases*

12:20-12:50 **Moshe Shpitalni**, Faculty of Mechanical Engineering, Technion  
*On NC machines: from machines to systems*

12:50-14:00 **Lunch**

#### Session III

14:00-14:30 **Ezri Tarazi**, Faculty of Architecture and Town Planning, Technion  
*New paradigms of beauty - aesthetic and functionality in digital design*

14:30-15:00 **Erez Karpas**, Faculty of Industrial Engineering and Management, Technion  
*Planning models and goal recognition design*

15:00-15:30 **Hezi Ben-Ari**, Rafael  
*System of systems of optimization under Uncertainties.*

15:30-16:00 **Shaul Solomon**, Dept. of Mechanical Engineering, Braude College of Engineering  
*On the evaluation and optimization of adaptive products.*