

ITALY - USA INNOVATION FORUM

*Frances Arrillaga Alumni Center – 326 Galvez Street
Stanford University
Friday, October 18, 2019*

The Italy-USA Innovation Forum, which will take place at Stanford University, in the presence of the President of the Italian Republic Sergio Mattarella, is a high level event gathering major companies, top universities and R&D players in the US and Italy. Its main focus is to partner the US-Italian relations in developing innovative and disruptive technologies driving the evolution of several key industries.

Master of Ceremony: Davide Dattoli - Ceo and Founder - Talent Garden

8:00 am | **Arrival & Registration**

Opening Session

- 9:00 am** | **Introductory Remarks by Jennifer WIDOM**
Dean of the School of Engineering - Stanford University
- 9:05 am** | **Paola PISANO**
Minister for Technological Innovation & Digitalization - Italy
- 9:10 am** | **Daniele FINOCCHIARO**
President - Research & Development Technical Group - Confindustria
- 9:15 am** | **Carlo FERRO**
President - Italian Trade Agency

Panel 1 - Big Data & Machine Learning in Life Sciences, Robotics and Artificial Intelligence

- 9:20 am** | **Giorgio METTA (Moderator/Rapporteur)**
Scientific Director - Italian Institute of Technology
- Anca DRAGAN**
Head - Interactive Autonomy and Collaborative Technologies Lab - University of California, Berkeley
- Maria Grazia RONCAROLO**
Co-director - Institute for Stem Cell Biology and Regenerative Medicine - Stanford University
- Thomas M. SIEBEL**
Chairman & Chief Executive Officer - C3-AI
- Sergio BERTOLUCCI**
University of Bologna & Italian Competence Centers

Panel 2 – Advanced Manufacturing & Industry 4.0, Mobility & Smart Cities

10:00 am **Marco PAVONE (Moderator/Rapporteur)**
Director - Autonomous System Laboratory – Stanford University

Matteo DEL FANTE
Chief Executive Officer – Poste Italian Group

Anthony DEAN
Director - General Electric Additive

Noam OHANA
Managing Director - EXOR seeds

Luca MANUELLI
Chief Digital Officer - Ansaldo Energia & President - Italian Technology Cluster “Intelligent Factories”

Panel 3 – Space Industry, Science & Technology

10:40 am **Giorgio SACCOCCIA (Moderator/Rapporteur)**
President - The Italian Space Agency (ASI)

Simone D’AMICO
Professor of Aeronautics and Astronautics – Stanford University

Tom OCHINERO
Vice President – Commercial Sales - SpaceX

Donato AMOROSO
Chief Executive Officer - Thales Alenia Space Italia

Richard DALBELLO
Vice President - Business Development and Government Affairs – Virgin Galactic

11:15 am | **Coffee Break**

Wrap-Up Session

In the presence of the President of the Italian Republic, Sergio MATTARELLA

11:45 am Paola PISANO
Minister for Technological Innovation & Digitalization - Italy

Giorgio METTA (Rapporteur - Panel 1)
Scientific Director - Italian Institute of Technology

Marco PAVONE (Rapporteur - Panel 2)
Director - Autonomous System Laboratory – Stanford University

Giorgio SACCOCCIA (Rapporteur - Panel 3)
President - The Italian Space Agency (ASI)

The Way Forward

In the presence of the President of the Italian Republic, Sergio MATTARELLA

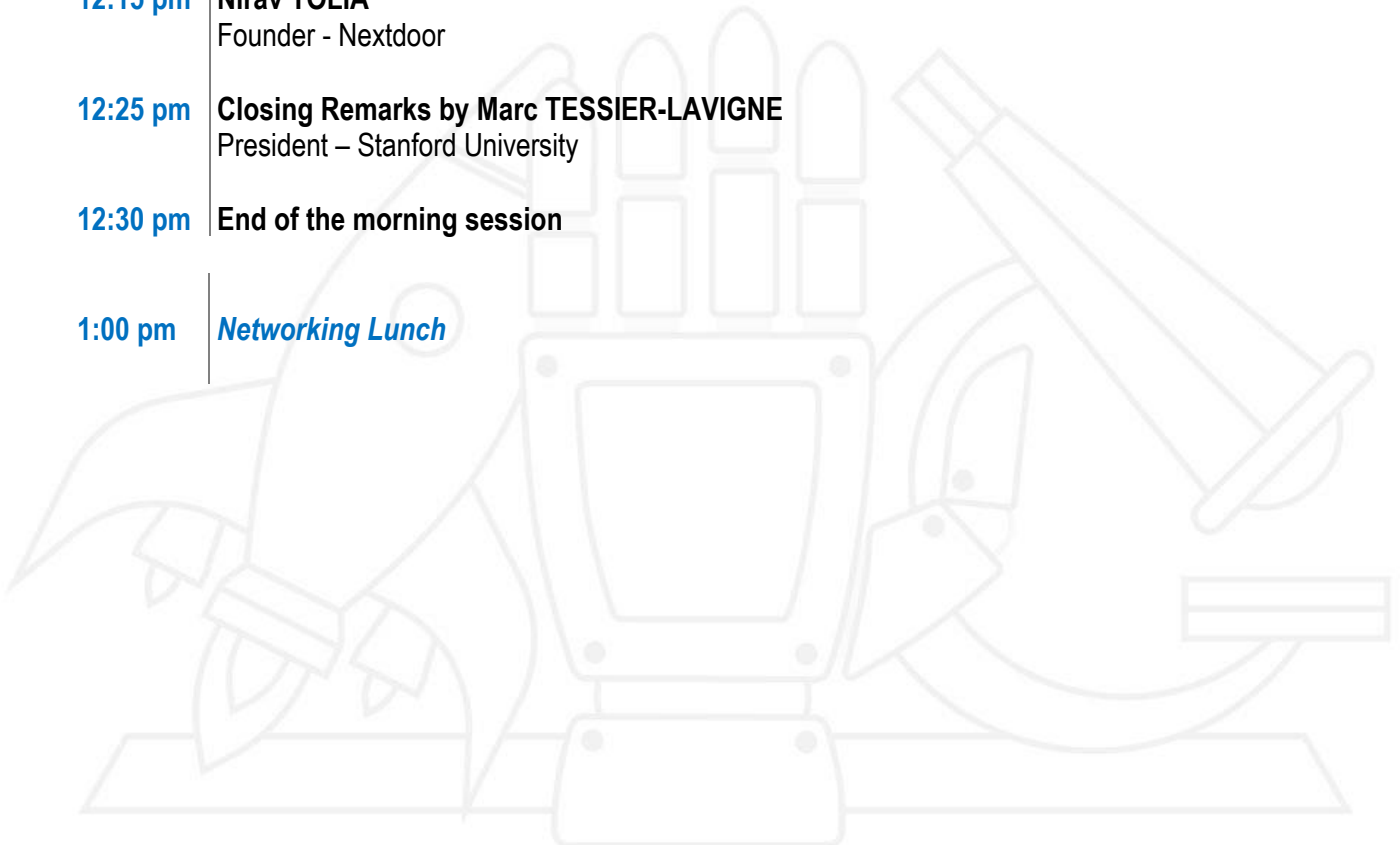
12:05 pm Francesco STARACE
Chief Executive Officer – ENEL

12:15 pm Nirav TOLIA
Founder - Nextdoor

12:25 pm Closing Remarks by Marc TESSIER-LAVIGNE
President – Stanford University

12:30 pm End of the morning session

1:00 pm *Networking Lunch*



Afternoon Session – Business and Research Roundtables

- 2:00 pm**
- 1. Big Data & Machine Learning in Life Sciences, Robotics & Artificial Intelligence**
(moderated by Giorgio Metta – IIT, Maria Chiara Carrozza – Don Gnocchi Foundation and Sant’Anna School of Advanced Studies, Tom Siebel – C3 AI, Florian Jug – Human Technopole)
 - 2. Advanced Manufacturing & Industry 4.0, Mobility & Smart Cities**
(moderated by Marco Pavone -- Stanford University, Anthony Dean – GE Additive, Noam Ohana Exor Seeds, Luca Manuelli – Ansaldo Energia & Italian Technology Cluster “Intelligent Factories”)
 - 3. Space Industry: Science & Technology, at NASA Ames Research Center**
(moderated by G. Saccoccia - ASI, Carol Carroll – NASA ARC, Angelo Fontana - Avio, Greg Schmidt – NASA SSERVI)
- 5:00 pm** | **End of Activities**

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Roundtable 1 – afternoon session

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Moderated by Giorgio Metta – IIT, Maria Chiara Carrozza – Don Gnocchi Foundation and Sant’Anna School of Advanced Studies, Tom Siebel – C3 AI, Florian Jug – Human Technopole

Big Data & Machine Learning in Life Sciences, Robotics and Artificial Intelligence

- From 2.00 pm to 5.00 pm the focus roundtables will be the opportunity to share the key focal points in the industry evolution and foster an open discussion among attendees lead by a moderator
- The roundtables attendance includes industry experts and trendsetters, universities and research institutions, industrial associations, companies, government institutions, government FDI units, opinion leaders, competence centers

Key subjects

The digital transformation process is unlocking the access to an unprecedented pool of computing resources through the cloud, while a huge amount of data becomes accessible through big data technologies and advanced analysis technologies such as machine learning and deep learning softwares. It’s a structural evolution involving a wide range of industries and reshaping all the scientific and industrial fields. In this roundtable, the panelists will focus on the digital transformation in the life sciences, robotics and the current implementation of artificial intelligence technologies. What is the competitive position of the US and Italian markets in this field, with its vital implications in the industrial environment and the healthcare sector?

What’s the best way to build and consolidate a partnership involving US and Italian top players in this field?

The global evolution towards an integrated life sciences industry is one of the world’s innovation drivers. The US and Italian excellence champions in the pharmaceutical industry, biotech and technology are a powerful knowledge asset in this evolutive path, while still several challenges remain on the R&D processes, multi-level value chains, and a further integration of the main stakeholder in this field (providers, research players, companies, etc.).

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Roundtable 2 – afternoon session

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Moderated by Marco Pavone -- Stanford University, Anthony Dean – GE Additive, Noam Ohana Exor Seeds, Luca Manuelli – Ansaldo Energia & Italian Technology Cluster “Intelligent Factories”.

Advanced manufacturing & Industry 4.0, Mobility & Smart Cities

- From 2.00 pm to 5.00 pm the focus roundtables will be the opportunity to share the key focal points in the industry evolution and foster an open discussion among attendees lead by a moderator
- The roundtables attendance includes industry experts and trendsetters, universities and research institutions, industrial associations, companies, government institutions, government FDI units, opinion leaders, competence centers

Key subjects

Manufacturing industries have been completely reshaping their standards through the implementation of innovative technologies, with a disruptive impact of AI technologies, robotics, advanced manufacturing systems. A disruptive evolution empowering companies with new resources, cost effective solutions, and brand new industrial processes. How are the Italian and US companies tackling the manufacturing challenge in this field?

Urban planning switched rapidly towards a smart city approach, integrating mobility solutions, energy efficiency, circular economy and sustainability, technology and community oriented architecture. Is the US and Italian business environment providing an integrated system of companies and players ready to meet the smart city challenge?

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Roundtable 3 – afternoon session

*NASA - Ames Research Center
Moffet Field, Mountain View, California
Friday, October 18, 2019*

Moderated by Giorgio Saccoccia - ASI, Carol Carroll – NASA ARC, Angelo Fontana - Avio, Greg Schmidt – NASA SSERVI.

Space Industry, Science & Technology

- From 2.30 pm to 5.30 pm the focus roundtables will be the opportunity to share the key focal points in the space industry, science and technology evolution and foster an open discussion among attendees lead by a moderator
- The roundtables attendance includes industry experts and trendsetters, universities and research institutions, industrial associations, companies, government institutions, government FDI units, opinion leaders, competence centers

Key subjects

Space industry, science and technology has been constantly consolidating its role as a growing community, meeting the increasing global demand. Several M&As in this field and the steady increase in space services demand, consolidated the dynamic approach of an innovative industry. What's the competitive positioning of the Italian companies in this evolution? How can they tackle the key challenges in terms of competitive resilience, innovation and global value chains?