



# FIRST ANNOUNCEMENT BIONIC RECONSTRUCTION IN UPPER LIMB

May 15th 2020 - Torino, Italy

- **Bruno Battiston** - *Director of Hand Surgery and Reconstructive Microsurgery Department- " Città della Salute" Hospital - Turin.*
- **Marko Bumbaširević** - *Full Professor of Orthopedic Surgery and Traumatology and Head of the Department of Reconstructive Surgery and Microsurgery - Belgrade*
- **Silvestro Micera** - *Full professor of bioengineering Sant'Anna High School, Associate Professor and head of the translational neural engineering laboratory at the Swiss Federal Institute of Technology - Lausanne.*
- **Paolo Sassu** - *Senior Consultant at the Sahlgrenska University Hospital in Goteborg and director of Hand Transplant Center at the Sahlgrenska University Hospital - Gothenburg.*
- **Cristina Bignardi** - *Associate Professor - Department of Mechanical and Aerospace Engineering - Full member of the Biomedical Engineering College of Turin Polytechnics*
- **Roberto Ariagno** - *Certified Prosthetist and Orthotist and Marketing and sales Manager – Officina Ortopedica Maria Adelaide -Turin*

## Programme at a glance:

- **Amputations and replantation**
- **Aesthetic prosthetic solutions**
- **Functional prosthetic solutions on the market**
- **Functional partial prostheses**
- **Sensitive prosthesis**
- **Bionic reconstruction in plexus lesions**
- **Osteointegration role in upper limb**
- **Research and future**

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This one day meeting reflects the need to approach the field of upper limb assistive technology, including more complex interactions between humans and machines (rehabilitation robotics), while highlighting the relevance and importance of both basic and emerging technologies on amputated limbs. The day will be dedicated to trying to take stock of the current possibilities for prosthetic replacement of the upper limb and what is actually available for the patient.

*Bruno Battiston*