

Workshops on Biomedical Technologies for Care and Cure
In the frame of International Day of Disability

@ITIM
Associazione Italiana di
Telemedicina ed Informatica Medica




Consiglio Nazionale Ricerche


Neurospine Community

OTive

IITM
Istituto Internazionale di TeleMedicina
(International Institute of TeleMedicine)

NeuroSpine - VII International Workshop (On site/On line)

Regeneration & Rehabilitation in Brain and Spinal Cord Injuries

December 2, 2022 – Start 2 p.m. (Bruxelles time) ; Demo at 6 p.m.

Bologna: Biblioteca Salaborsa - via del Nettuno, 3

FROM CELLS TO BIOENGINEERING and NEURO-REHABILITATION APPLICATIONS
TOPICS: Molecular mechanisms, stem cells, Glial response, magnetic and laser therapy,
Electro-stimulation, Molecular and genomic data banks, Bioinformatics, Neuroinformatics,
Brain Computer Interfaces, Neural Networks, Neural computation, Artificial Intelligence,
Virtual brain and Augmented Reality, Machine Learning, Neuro-rehabilitation, Robotics,
neuro-bioengineering, sensors, devices, IoT, Telemedicine and tele-rehabilitation,
Big Data, statistical data analysis & mining in observational studies & clinical trials

Disability Care - 4° Meeting (On site-On line)

Tecnologie Assistive, Sensoristica e Robotica, Cure Innovative,
Terapie Riabilitative, Monitoraggio e Tele-Assistenza Sanitaria

3 Dicembre, 2022 - Giornata Internazionale delle persone con Disabilità

Bologna: Impianto Sportivo Baratti – via Irnerio, 4

h 9 Seminario scientifico ; h 11:30 Tavola rotonda Vita Indipendente

h 15 Dimostrazioni Sport e Ausili Riabilitativi ; h 18:30 Talk and Show



Chair: Francesco Sicurello (President IITM/@ITIM, CNR-ITB Milan)

Neurospine Co-Chairs: Andrea Bandini, Scuola Superiore Sant'Anna, Pisa;
Silvia Orlandi, DEI University of Bologna

Disability Care Co-Chairs: Matteo Botteghi, World Connex, University of Bologna;
Pasqualino Maietta Latessa, University of Bologna

Venerdì/Friday December 2: **NeuroSpine International Meeting**

H. 1.30 p.m. (European Bruxelles time) - **Registration**



H. 1.45 p.m. Welcome Address and introduction
Francesco Sicurello (IITM/@ITIM & ITB-CNR Milano)

H. 2.00 p.m. Clinical aspects (Chair: **Giulia Stampacchia, Director of UO Mielolesi, Dipartimento Specialità Mediche, Azienda Ospedaliera Universitaria Pisa**)

- **Paolo Milia** (Tiberino Rehab Institute, Umbertide and University of Perugia)
- **Wojciech Glinkowski** (Warsaw University, President of Polish Telemedicine Society)
- **Gianni Pellicanò** (Neuroradiologist at Careggi Hospital, Firenze / @ITIM Scientific Coord)
- **Asma Sbeih** (Computational Neuroscience, Master in Engineering of Information Technology, Bethlehem, Palestine)
- **Angela Morreale** (Neurologist, Bologna)
- **Monica Perez** (Shirley Ryan AbilityLab Chicago, Northwestern University and Edward Jr. Hines VA Hospital)*

H. 3.30 p.m. Rehabilitation aspects (Chair: **Silvia Orlandi, DEI University of Bologna**)

- **Stefano Mazzoleni** (Polytechnic of Bari)
- **Andrea Bandini** (Scuola Superiore S. Anna, Pisa)
- **Teoh Owen** (General Manager of Fourier Intelligence, Singapore)
- **Andrea Crema** (EPFL UPHUMMEL, Wyss Center, Switzerland)
- **Francesco Chiampo** (Rehabilitation Center San Girolamo, Parma)

H. 4.45 p.m. Regeneration aspects (Chair: **Alessandra Mezzelani, Institute of Biomedical Technologies, CNR Milan**)

- **Antonio Oliviero** (SESCAN, Hospital Nacional de Paraplégicos, Toledo)
- **Sara Marinelli** (CNR Rome)
- **Leonardo Longo** (Director of Laser Institute, Florence)
- **Diego Longo** (Physiotherapist, University of Florence)
- **Antonio Graziano** (HBW srl, Turin)
- **Cosimo Puttilli** (ab medica, Dalmine - Bergamo)
- **Giampaolo Tornatore** (University of Milan, INRCA IRCCS)
- **Martin Oudega** (Northwestern University, Shirley Ryan AbilityLab, Hines VA Hospital Chicago, USA)*

*invited

H. 18.00 p.m. Demonstration with HAL Exoskeleton and Devices for Rehabilitation and Health Monitoring

Sabato 3 dicembre: Disability Care Workshop

Ore 9.00 Indirizzi di salute istituzionali ed introduzione al workshop

Luigi Pignatelli (ASD Universal Sport, Bologna)

Pasqualino Maietta Latessa (Università di Bologna)

Matteo Botteghi (World Connex, Università di Bologna)

Francesco Sicurello (IITM/@ITIM & CNR-ITB Milano)

Ore 9.30 Osservatorio per le Tecnologie Inclusive, Assistive, Riabilitative e Rigenerative (Chair: Donatella Bonaiuti, SIMFeR)

- **Mauro Grigioni** (Direttore Centro Tecnologie Innovative in Sanità - ISS, Roma)*
- **Mario Bochicchio** (Univ. Bari, Dir. Digital Health Consorzio Inter-Universitario CINI)
- **Gaetano Santonocito** (Direttore AIAS Monza)
- **Nicola Inglese** (Direttore Motus Rehab Center, Castellammare del Golfo - TP)
- **Alberto Lazzerò** (University of Turin, Hopital de Briançon - France)
- **Joseph Tritto** (Direttore WABT Unesco, Paris)
- **Giovanni Casiraghi** (New Micro, Milano)
- **Andrea Capra** (CASPO Consulting, Varese)
- **Gianluca Bisi** (Easy Access - COSMED, Roma)

Ore 11.00 Bioingegneria e Robotica per il Movimento

(Chair: Giacomo Sicurello, IITM-Neurospine community / OTive)

- **Nicolò Macellari** (EPFL, Losanna) e **Michel Roccati** (Paziente EES, Torino)
- **Federico De Salvo** (Istituto Prosperius Tiberino, Umbertide - PG)
- **Gianluca Alberti** (A-circle / Esoscheletro Indego, San Pietro In Casale - BO)
- **Federico Piron** (Khymeia Group, Padova)

Ore 11.45 Tavola Rotonda: Assistenza e Vita Indipendente

(Chairs: Elena Rasia e Margherita Pisani – Indi Mates)

- **Valentina Perniciaro** (Fondazione Tetrabondi / Disability Pride Network, Roma)
- **Ariam Tesfazghi** (Sistemabile / Collettivo studentesco FromTheOthers, Bologna)
- **Ilaria Faranda** (Rete per l'Autonomia, Bologna)
- **Simona Armaroli** (ENS Ente Nazionale Sordi, Bologna)
- **Luca Negro** (Istituzione Monguzzi, Bologna)
- **Valeria Savarino** (Associazione Primavera, Bivona - AG)
- **Calogero Galvano** (Infermieristica ASP Agrigento)
- **Giovanni Bertani** (Sportello CIP/INAIL Emilia-Romagna)
- **Mattia Mauri** (Associazione EDOniamo Speranza, Lissone - MB)
- **Alessandro Ferretti** (Sotto Gamba Game, Toscana Disabili Sport)
- **Sergio Ronchetti** (LP Bike Team, Company & Service Physio One - Tesla Med)
- **Gladys Dichiarà e Maria Elena Marchionni** (ASD Le Club, Bologna)

Ore 14.00 Rehab Hub feat. 'Gioco Anch'lo': [Demo Ausili e Sport Inclusivi](#)

Ore 18.30 Talk session: "Ben oltre le Barriere" Ore 20:30 Live Show - info: otive.it

Segreteria: **Giacomo Sicurello** segreteria@otive.it - **Silvia Carattoni** info@medexpo.it