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Monday, May 16, 2016

9:00 – 9:30

Welcome Addresses

Filippo de Rossi (Rector), Umberto Villano (Director of Dept. of Engineering), Max Cortner (Executive VP of IMS), Ermanno Cardelli (Chair IEEE Italy Section), Pasquale Daponte (General Chairman)

Room: Museum of Sannio

9:30 – 10:30

Invited Speech

Room: Museum of Sannio

Chair: Max Cortner (Boston Scientific, USA)

Fully implantable devices for Remote Monitoring of Human and Animal Metabolism

Sandro Carrara, EPFL - École Polytechnique Fédérale de Lausanne (CH)

11:00 - 12:40

GT1 - Patient safety and medical uncertainty

Room: Red Hall

Chairs: Max Cortner (Boston Scientific, USA) and Baki Karaboce (National Metrology Institute, Turkey)

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Nethra Reddy (Healthcare Technology Innovation Centre, India)

Jayaraman Kiruthi Vasan (Healthcare Technology Innovation Centre, India)

Mohanasankar Sivaprakasam (Indian Institute of Technology Madras, India)

11:00 - 12:40

SS7 - Special Session 7: Mobile and Wireless Technologies for Healthcare

Room: Blue Hall

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14:40 – 16:00

SS16 - Special Session 16: Medical Diagnostics & Treatment by Using Ultrasound

Room: Blue Hall

Chairs: Baki Karaboce (National Metrology Institute, Turkey) and Giovanni Durando (Istituto Nazionale di Ricerca Metrologica, Italy)

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Room: Red Hall

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Negin Manshouri (Avrasya University, Turkey)
Temel Kayikcioglu (Karadeniz Technical University, Turkey)

16:20 – 18:00

SS18 - Special Session 18: Precise Motion Measurement

Room: Blue Hall

Chairs: Marion Gebhard (Westphalian University of Applied Sciences, Germany) and Ioan Tudosa (University of Sannio, Italy)

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Taian Vieira (Politecnico di Torino, Italy)

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Fabrizio Patanè ("Niccolò Cusano" University, Italy)

Paolo Cappa ("Sapienza" University of Rome, Italy)

Technical Papers - Tuesday, May 17, 2016

9:00 – 9:50

Invited Speech

Room: Museum of Sannio

Chair: Marco Parvis (Politecnico di Torino, Italy)

Wireless Biosensors for Next Generation Healthcare Paradigm

Syed Kamrul Islam, University of Tennessee, Knoxville, USA

10:00 – 11:40

GT3b – Biosignal Processing Part b

Room: Red Hall

Chairs: Annamária R. Várkonyi-Kóczy (Óbuda University, Hungary) and Hilmi Dajani (University of Ottawa, Canada)

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Emil M. Petriu (University of Ottawa, Canada)

10:00 – 11:40

SS8 - Special Session 8: Sensors and Electronic Interfaces for Medical Devices

Chairs: Salvatore Pullano and Syed Islam

Room: Blue Hall

Chairs: Salvatore Pullano (University Magna Graecia of Catanzaro, Italy) and Syed Islam (University of Tennessee, USA)

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Nicola Vanello (University of Pisa, Italy)

Salvatore Andrea Pullano (University Magna Graecia, Italy)

Antonino S. Fiorillo (University Magna Graecia, Italy)

Luigi Landini (University of Pisa, Italy)

12:00 – 13:20

SS11 - Special Session 11: Measurement for Rehabilitation and Home Care Assistance

Room: Blue Hall

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Giacoma De Tullio (U.O.C. Ematologia, I.R.C.C.S., Italy)
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Carla Minoia (U.O.C. Ematologia, I.R.C.C.S., Italy)
Sabino Ciavarella (U.O.C. Ematologia, I.R.C.C.S., Italy)
Vincenza De Fazio (U.O.C. Ematologia, I.R.C.C.S., Italy)
Antonio Negri (U.O.C. Ematologia, I.R.C.C.S., Italy)
Caterina Marchionna (U.O.C. Ematologia, I.R.C.C.S., Italy)

12:00 – 13:20

GT4 – Monitoring for rehabilitation and accelerometry

Room: Red Hall

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Luigi Battista (Catholic University of Sacred Heart, Italy)

Gianvito Summa (University of Basilicata, Italy)

Antonietta Romaniello (Hospital of Potenza “San Carlo”, Italy)

Nicola Paciello (Hospital of Potenza “San Carlo”, Italy)

14:30 – 15:50

GT5 - Environmental Medicine & Home automation for disability, disease and old age

Room: Red Hall

Chairs: Domenico Grimaldi (University of Calabria, Italy) and Sabrina Grassini (Politecnico di Torino, Italy)

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SS19a - Special Session 19: The Assessment of Health Measures in Life Span: an Applied Behavioural Perspective – Part a

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Chairs: Maria Pietronilla Penna (University of Cagliari, Italy) and Paul Kenneth Hitchcott (Southampton Solent University, United Kingdom)

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Gianluca Casu (National Research Council, Italy)

Sara Piras (National Research Council, Italy)

Mario Palomba (National Research Council, Italy)

Giorgio Marchese (National Research Council, Italy)

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Room: Red Hall

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SS19b - Special Session 19: The Assessment of Health Measures in Life Span: an Applied Behavioural Perspective – Part b

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Andrea Loviselli (University of Cagliari, Italy)

Technical Papers - Wednesday, May 18, 2016

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GT6a - Sensors for medical systems/Sensor fusion and calibration Part a

Room: Red Hall

Chairs: Lorenzo Scalise (Università Politecnica delle Marche, Italy) and Aimé Lay-Ekuakille (University of Salento, Italy)

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Jayaraj Joseph (Healthcare Technology Innovation Centre, IIT Madras, India)

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Preejith Sp (Healthcare Technology Innovation Centre, IIT Madras, India)

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SS4 - Special Session 4: Measurements for Medical and Cosmetic Dermatology

Room: Blue Hall

Chairs: Francesco Cusano (AO Rummo, Italy) and Maria Riccio (University of Sannio, Italy)

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Linda Tognetti (University Hospital of Siena, Italy)
Pietro Rubegni (University Hospital of Siena, Italy)
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GT7 - Bioengineering and rehabilitation

Room: Blue Hall

Chairs: Luca De Vito (University of Sannio, Italy) and Octavian Postolache (Instituto de Telecomunicações, Lisboa/IT, Portugal)

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Isabella Imbimbo (Don Carlo Gnocchi Onlus Foundation, Italy)

Irene Aprile (Don Carlo Gnocchi Onlus Foundation, Italy)

Luca Padua (Don Carlo Gnocchi Onlus Foundation, Italy)

Stefano Rossi (University of Tuscia, Italy)

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Bernardo Lanzillo (University of Naples, "Federico II", Italy)

Nicola Pappone (University of Naples, "Federico II", Italy)

Mario Cesarelli (S. Maugeri Foundation, Italy)

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GT6b - Sensors for medical systems/Sensor fusion and calibration Part b

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Special Session 17: Fiber Optic Sensors for medical applications

Room: Blue Hall

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GT6c - Sensors for medical systems/Sensor fusion and calibration Part c

Room: Red Hall

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Room: Blue Hall

Chairs: Annamária R. Várkonyi-Kóczy (Óbuda University, Hungary) and Pasquale Daponte (University of Sannio, Italy)

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Chirag Surti (University of Ontario Institute of Technology, Canada)

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SS15 - Special Session 15: Strain and Temperature Measurements for Medicine

Room: Red Hall

Chairs: Lorenzo Scalise (Università Politecnica delle Marche, Italy) and Zaccaria Del Prete (Center for Life Nano Science@Sapienza IIT, SAPIENZA University of Rome, Italy)

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