



Nature Inspired Manufacturing (NIM) Third International Workshop

Universitat Pompeu Fabra, Barcelona, Spain - 28 July 2015

PROGRAMME

8.30-8.55 Registration and Coffee

MORNING SESSION – Chairman: Dr Eitan Abraham

9.00-9.05

Welcome

Dr Eitan Abraham

IB3, Heriot-Watt University, Edinburgh, UK

9.05-9.20

Shaping the Future: a Business Plan for NIM

Prof. Marc Desmulliez

ISSS, Heriot-Watt University, Edinburgh, UK

9.20-10.00

Biomimetics in a Philosophical Perspective

Prof. Bernardette Bensaude-Vincent

Department of Philosophy, Université Paris I, France

10.00-10.40

Electronic Textiles and Wearable Monitoring Systems

Prof. Danilo De Rossi

Centro Piaggio, Università di Pisa, Italy

10.40-10.50

Single-slide Poster Speed Presentations

Dr Jessica Chen-Burger, Mark Alston, Richard MacCowan & Rob Scharff

10.50-11.20

COFFEE BREAK & POSTER SESSION

11.20-12.00

Nature Can Teach us about How to Develop Robots

Dr Barbara Mazzolai

Centre for Micro-BioRobotics, Istituto Italiano di Tecnologia, Italy

12.00-12.40

Bionics: Lessons from nature to improve our future

Prof. Franco Lodato

Innovation Design School of Miami, USA

12.40-13.20 **Techniques for Direct Analysis – an opportunity for bio-mimicking?**
Carsten Faltum
Biolin Scientific, Denmark

13.20-14.20 **LUNCH BREAK and POSTERS**

AFTERNOON SESSION – Chairman: Prof Marc Desmulliez

14.20-15.00 **Nature’s Wonder Book of Why and What**
Iain Valentine
Royal Zoological Society of Scotland, UK

15.00-15.40 **Water-Assisted Growth of Metal-Semiconductor Hybrid Nano-Flowers**
Dr Roie Yerushalmi
Institute of Chemistry and Center for Nanoscience & Nanotechnology, The Hebrew University of Jerusalem, Israel

15.40-16.20 **µLOT®: a Biomimetically-inspired Continuous Manufacturing Platform for Supporting the Delivery of next Generation Therapies for Social and Industrial Benefit**
Andrew Prewer
Swedish Biomimetics 3000 Ltd, UK

16.20-16.40 **COFFEE BREAK**

16.40-17.40 **Panel & Participants Discussion**
Panel: Bernardette, Danilo, Barbara, Franco, Carsten, Iain, Roie & Andrew
Panel Chairman: Franco Lodato Moderator: Marc Desmulliez

17.40-17.45 **Closing Remarks**
Prof. Marc Desmulliez

18.00- **Drinks & Nibbles**