



2<sup>nd</sup> Summer School on  
Health Technology Assessment  
& Medical Devices



28<sup>th</sup> – 30<sup>th</sup> September 2017  
University of Patras  
Patras, Greece

Organised by the:  **IFMBE**  
HTA Division

Dear Colleagues,

The Health Technology Assessment Division (HTAD) of the IFMBE is pleased to announce the Second IFMBE Summer School on Health Technology Assessment (HTA) for Biomedical Engineers and Medical Physicists:

[www.HTAschool.upatras.gr](http://www.HTAschool.upatras.gr)

The 2<sup>nd</sup> Summer School will run the 28<sup>th</sup>, 29<sup>th</sup> and 30<sup>th</sup> of September 2017 in the University of Patras. This Summer School addresses early career researchers including PhD students as well as academics with a technical background, who are working on healthcare technologies, and moreover it is open also to the manufacturing sector. The aim is to provide theoretical and practical multidisciplinary training on HTA, focusing on Medical Devices. This will include methodology, modelling, mathematics, practical training and relevant case studies.

Attendants will learn principles, methods and how to use tools to perform their activities, maximising the uptake and impact of their research outcomes. In fact, informing the research and the design of new healthcare technologies with scientific methods for early stage HTA will have a considerable impact on a number of important elements (i.e. cost-effectiveness, ethical issues) during the research process, when with small changes it is possible to achieve big results!

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# SUMMER SCHOOL PROGRAM

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Thursday 28 September

day 1

## Introduction to health economics and HTA

- Principles of evidence-based medicine
  - EBM synthesis: meta-analysis
  - Principles of health economy
  - Utility and quality of life
  - The use of multi-criteria decision analysis in early health technology assessment
  - Practicals
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Friday 29 September

day 2

## HTA of medical devices

- Medical devices versus drugs:
  - i. The Industry of Medical Devices: key features
  - ii. The Regulation of Medical Devices
  - iii. Challenges in Assessing Medical Devices
- Case studies of HTA on Medical Devices
- Practical: Guided analysis of 1 or 2 HTA reports on relevant medical devices
- Selection of priority Medical Devices
- Institutional HTA: the European perspective

# SUMMER SCHOOL PROGRAM

Saturday 30 September

day 3

## Pre-market HTA of medical devices

- Intro: how to inform the next steps of R&D with the best available evidence
  - Methods for early HTA, pre-market HTA, predictive HTA
  - The role of BME to develop appropriate technologies for low and middle income countries and settings
  - Cases & tools: relevant cases from literature will be presented
  - Practical: training session using a free-tool
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## Information and registration

For information and registration please visit

[www.HTAschool.upatras.gr](http://www.HTAschool.upatras.gr)

or contact us at : [bitu@upatras.gr](mailto:bitu@upatras.gr)

Please note that there is a limited number of admitted participants.

*Looking forward to welcoming you  
to beautiful Patras in Greece!*

## PROGRAM COMMITTEE

- **Leandro Pecchia** (Chair), Chairman of the HTA Division of IFMBE, School of Engineering, University of Warwick.
- **Nicolas Pallikarakis** (Co-Chair), President of the Institute of Biomedical Technology (INBIT), Patras.
- **Christopher James**, Editor-in-Chief of the IET Healthcare Technology Letters, School of Engineering, University of Warwick.
- **Marjan Hummel**, Secretary of the HTA Division of IFMBE, Philips Healthcare.
- **Rosanna Tarricone**, Director of Centre for Health and Social Care Management (CERGAS) at Bocconi University.
- **Ernesto Iadanza**, Chairman of the IFMBE Clinical Engineering Division, Chairman of the Education and Training IUPESM Committee.

The school is endorsed by:

- the European Alliance for Medical and Biological Engineering and Science



- the Institute of Biomedical Technology **INBIT**

- the University of Patras, Greece



- the University of Warwick, UK

