

PT MATHS IN

Rede Portuguesa
de **matemática**
para a **indústria**
e **inovação**

CHALLENGES IN HEALTHCARE

The Role of Mathematics

Department of Mathematics,
University of Coimbra

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<http://hc2019.spm.pt>

Speakers:

Ana Paula Rocha

CMUP and Department of Mathematics, FCUP, University of Porto
Challenges of heart rate variability analysis in critical illness and critical care

André Dias Pereira

Centre for Biomedical Law, Faculty of Law University of Coimbra, National
Council of Ethics for Life Sciences
The great robot doctor or the right to a human (inter)face?

Bart Romeny

Department of Biomedical Engineering, Eindhoven University of Technology
On the neuro-mathematics of deep learning

Inês Sousa

CBMA and Department of Mathematics, School of Sciences, University of Minho
Forecasting daily admissions for an hospital emergency department

Isabel Narra Figueiredo

Department of Mathematics, FCTUC, University of Coimbra
Computer assisted methods for automatic analysis of medical images

João Malva

Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of
Medicine, University of Coimbra
A quadruple helix-based regional ecosystem to support healthy living and active
ageing

Ricardo Teresa Ribeiro

GoatLabs | ESTeSL - IPL
The Development of Chest X-Ray 2.0

Rui Rodrigues

Department Mathematics and CMA - FCT University Nova de Lisboa
Pattern recognition in continuous biomedical signals

Wil Schilders

European Service Network of Mathematics for Industry and Innovation, EU-
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