

COURSE | 4<sup>TH</sup> EDITION



# Introduction to data analysis & image processing with MATLAB

**16-18 APRIL 2018**

i3S - Instituto de Investigação e Inovação em Saúde  
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**PROGRAMME:**

Introduction to computer algorithms | The MATLAB environment  
| Variables and basic array operations | Strategies for  
representing numerical/scientific problems in a computer |  
Plotting data | MATLAB programming | Creating functions and  
scripts | Automating data analysis |  
Image analysis: Images as arrays of data values | importing  
images and metadata | operations on image data | filtering |  
segmentation | morphological operations | properties  
measurements

**FEES:**

**Before March 9<sup>th</sup>: 150€**

**Between March 9<sup>th</sup> and March 26<sup>th</sup>: 200€**

(registrations accepted up to a maximum of 20 participants)  
Previous experience with MATLAB is not required. Participants are  
asked to bring their laptops (a MATLAB trial version is available)

**REGISTRATION & MORE INFORMATION:**

**[www.i3S.up.pt](http://www.i3S.up.pt)**

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