

**COST ACTION 15209**

**European Network on NMR Relaxometry (EURELAX)**

**Training School: NMR relaxometry for food and environmental applications**

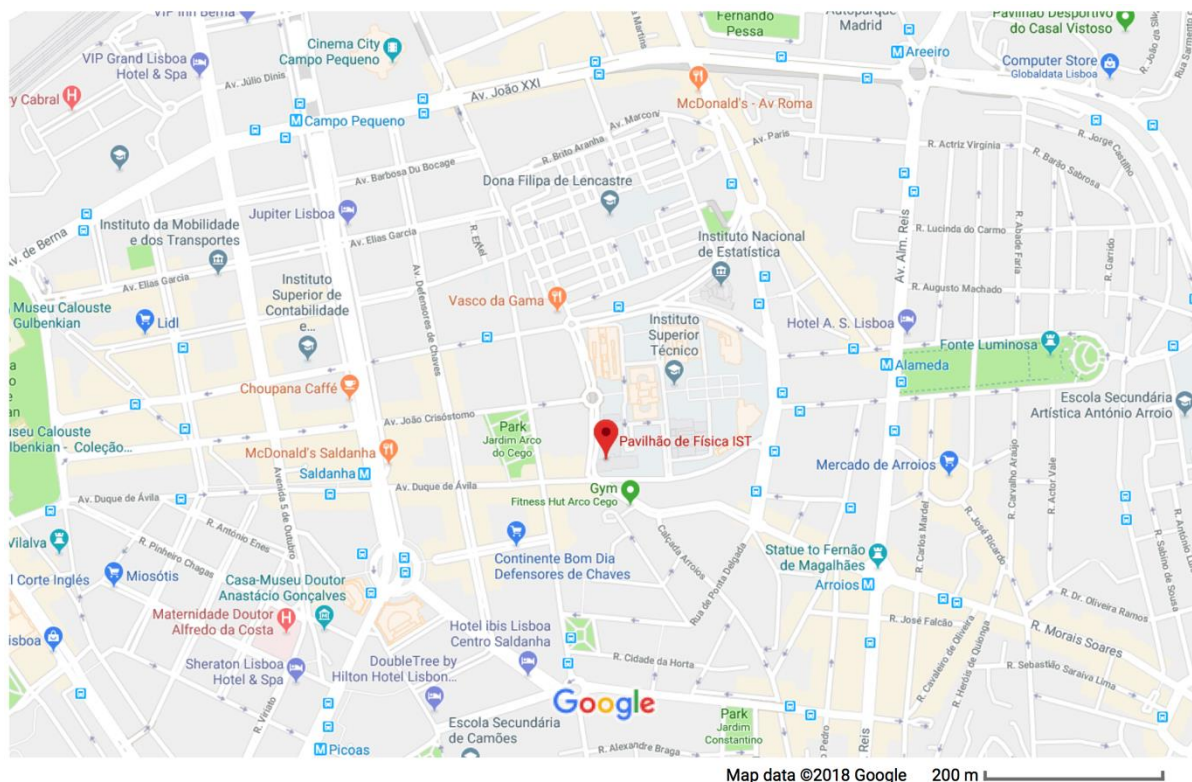
**Instituto Superior Técnico, Av. Rovisco Pais 1, 1049-001 Lisbon, Portugal**

**From: 14.02.2018**

**To: 16.02.2018**

**Location: Pavilhão de Física, Instituto Superior Técnico, Av. Rovisco Pais 1, 1049-001 Lisboa, Portugal (38°44'08.0"N 9°08'23.3"W) (38.735550, -9.139800)**

<https://goo.gl/maps/cEkNrPSsMpt>



Laptops & wi-fi: a guest account will be available during the training school. Participants are advised to bring their laptops and/or tablets for an easier access to the documentation and <https://fitteia.org> server for some of the model fitting sessions

Instructions for temporary user or meeting/conference participants:

Login credentials:

Username: COSTCA15209

Password: TERb4C



1. Browse available wireless networks and select as SSID 'tecnico-guest';
2. Set IP to automatic (DHCP). This is usually the default setting, so you may probably skip this step;
3. Open your browser and try to access any external website. You will be automatically redirected to the page [https://wifi.ist.utl.pt/index\\_auth.php](https://wifi.ist.utl.pt/index_auth.php). Follow the link 'Web based login' at the top of the page concerning short-time, conference and meetings accounts. Enter the above username/password when requested;
4. After step 3 you may freely browse and access the Internet. You may need to repeat the above steps if you close your browser or if the connection times out.

Documents: Supporting texts, papers, and instructions can be found for download at <https://goo.gl/iXkQVj>

Software: MATLAB will be available in the Computers' Room (this room is booked for Thursday 15<sup>th</sup>). ORIGIN will not be available on those computers.

fitteia.org will be presented as an alternative to MATLAB or ORIGIN



### Schedule

February	Wednesday 14	Thursday 15	Friday 16
08:00			
	Registration	T5 - Mecit Öztop  Relaxation Data Analysis for Food Samples	T8 - Pedro Sebastião  Laboratory - I
09:00	Welcome		
	T1 - Danuta Kruk Introduction to NMR Relaxometry		
10:00	Coffee Break	Coffee Break	Coffee Break
11:00	T2 - Mecit Öztop  Basics and Food Applications	T6 - Danuta Kruk Numerical implementation of relaxation formulae  Examples of data analysis for food products	T9 - Carlos Cruz/Pedro Sebastião  Laboratory - II
12:00			
13:00	Lunch	Lunch	Lunch
14:00	T3 - Carlos Cruz  X-rays and NMR	T6 - Danuta Kruk Examples of data analysis for food products  T8 - Pedro Sebastião Fitteia model fitting to experimental data - I	T10 Carlos Cruz/Pedro Sebastião  Advanced Data Analysis
15:00			
16:00	Coffee Break	Coffee Break	Coffee Break
17:00	T4 - Mecit Öztop  Applications	T7 - Pedro Sebastião  Fitteia model fitting to experimental data - II	T11 - Danuta Kruk Quadrupole Relaxation Enhancement for food products
18:00			Discussion
19:00	Discussion	Discussion	Closing



### Trainers:

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#### 4. Carlos Cruz

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