



Welcome to the fourth MemoCIS Training School!

A three-day intensive training school on “Memristors – Devices, Models, Circuits, Systems and Applications”

Dates: 4-6 June 2018

Venue: Instituto de Telecomunicações,
Campus Universitário de Santiago,
3810-193, Aveiro, Portugal

This year, the event will take place on the 4th-6th of June 2018, at the beautiful city of Aveiro, in Portugal. The school will be organized by Prof Luis Alves and will focus on the implementation of memristive devices to the Internet of Things. The program consist of three thematic day-lectures focusing on theoretical, physical modeling and material research and envisaged application aspects. Lectures under theoretical aspects envisage device modelling, memristor theory and memristive system analysis. Physical modeling and material research will focus on memristive material research with special emphasis on resistive switching materials, material preparation and device modelling using physical modelling software tools. The last day will be devoted on technology applications, examples of applications of memristive devices to several promising fields, such as, neuromorphic computation, cellular neural networks (CNNs) and novel sensing applications. These lectures will be delivered by well-established international researchers in the field.

Training Instructors:

- Leon Chua (UC Berkeley)
- Sandro Carrara (École polytechnique fédérale de Lausanne)
- Ronald Tetzlaff (TU Dresden)
- Alon Ascoli (TU Dresden)
- Alexey Mikhaylov (Lobachevsky State University of Nizhny Novgorod)
- Melika Payvand (University of Zurich and ETH Zurich)
- Henrique Gomes (Instituto de Telecomunicações)

If you are a student or researcher in this active field and find that this training school can improve your knowledge, please complete the application form available on the Action's website (www.memocis.eu) and send it directly to memocis@ucy.ac.cy. The direct link for the application form can be found [here](#).

Important dates:

- Application deadline for the training school: **April 30th, 2018**
- Notification of acceptance: **May 4th, 2018**



City of Aveiro!

Roaming through Aveiro is the same as diving in the waters of Centro de Portugal. Known as the “Portuguese Venice”, the city is quietly dominated by the Ria de Aveiro, described by Saramago as “a living body that connects the land to the sea like a huge heart.” Get on board a moliceiro and go along the canals of the lagoon, which, just like water roads, lead you through the city. See the Art Nouveau houses, which decorate the banks or discover their every detail by taking a guided walking tour organized by the City Museum. If you want to, you can also venture alone on a bike ride with BUGA, a public service in which you can use bikes free-of-charge, by the municipality. That is all you need to move around Aveiro.

When you return to the city center, you can regain your strength with regional delicacies. If it is almost lunchtime, you can try a *caldeirada de enguias* (eel stew) or a *carneiro à lampantana* (lampantana lamb). Alternatively, you can be swept away by our regional pastries, in which eggs and sugar are magical, and let *ovos moles* conquer your taste as if they were little pieces of sweet gold. (<http://www.centerofportugal.com/aveiro/>)

How to get to Aveiro?

There are two main ways to get to Aveiro if you come from abroad. You can arrive through Lisbon or Porto airports.

1. Arriving through Lisbon:

- i. Take the metro red line from the airport to the train station **Lisboa-Oriente**. It takes about 10 minutes and costs 1.50€.
- ii. From **Lisboa-Oriente**, take the train connection to **Aveiro**, either using *Intercidades* or *Alfa Pendular*. The voyage takes around 3 hours and costs about 30€.

2. Arriving through Porto:

- i. Take the metro red purple line from the airport to the train station **Porto-Campanhã**. It takes about 45 minutes and costs 3.5€ (be sure to buy a zone 4 ticket).
- ii. From **Porto-Campanhã**, take the train connection to **Aveiro**, using *Suburbano*. It takes about 55 minutes (45 minutes) and costs 5€. There also *Intercidades* and *Alfa Pendular* trains, but are more expensive a take more or less the same time.

More information on train schedules please consult: <https://www.cp.pt/passageiros/en>

Hotels and hostels

Aveiro has plenty of hotel offerings. Low-fare hotels are easily found through booking.com. Some suggestions are.

1. Residencial Palmeira - <https://www.booking.com/hotel/pt/residencial-palmeira.en-gb.html>
2. Aveiro Mizu - <https://www.booking.com/hotel/pt/aveiro-mizu-aveiro2.en-gb.html>
3. Residencial Stª Joana - <https://www.booking.com/hotel/pt/residencial-sa-joana.en-gb.html>
4. Cale de Oiro - <https://www.booking.com/hotel/pt/cale-do-oiro-suites-residence.en-gb.html>
5. Hotel Imperial - <https://www.booking.com/hotel/pt/hotel-imperial-aveiro.en-gb.html>
6. Aveiro Inn - <https://www.booking.com/hotel/pt/aveiro-inn.en-gb.html>
7. Hospedaria das 5 Bicas - <https://www.booking.com/hotel/pt/hospedaria-5-bicas.en-gb.html>
8. HI Hostel Aveiro – Pousada da Juventude - <https://www.booking.com/hotel/pt/pousada-de-juventude-de-aveiro.en-gb.html>

For more information about the Training School, please contact the Local Organiser (Prof Luis Alves) by email (nero@ua.pt).

