



5th International Workshop on Modern Control Using MATLAB (MCM- 2017)

20 December 2017, Sousse - Tunisia

Who should attend?

Lecturers, Researchers, Engineers, Students, Scientists and Industry professionals, who wish to explore latest techniques and algorithms on Systems, Modelling and Control, are welcome to this **Practical Workshop** with or without paper.

Email: workshops.inscription@gmail.com

Objectives

The Workshop Convener will start from the MATLAB basics and gradually guide the participants to learn the fundamentals of Modern Control Engineering: Applications and Simulations with MATLAB;

- ✓ Systems modeling with MATLAB; Applications and simulation on linear and non linear control (Sliding mode approach, Chaos...)

Course Methodology

The course will be conducted by balancing **theoretical** concepts with modelling examples and **practical** solutions using MATLAB.

Biography of the convener



Prof. Sundarapandian Vaidyanathan (India, USA in May 1996). Dr. Sundarapandian (called as "Sundar") has specialized in the areas Chaos Theory, Intelligent Control, Systems Modelling and Computational Science. Presently, Sundar is serving as Professor and Dean Research and Development Centre at Vel Tech University, Chennai, India. Earlier, he has served as Professor and Acting Director of the Indian Institute of Information Technology and Management. Presently, Dr. Sundar is serving as Professor and Dean of the Research and Development Centre, Veltech University, Chennai, India. Sundar has over 20 years of teaching and research experience. Sundar has authored 3 books on Science subjects and 10 books on engineering subjects (Chaos, Control Systems, Memristors, Intelligent and Sliding Control). He has guided several doctorate students in Computer Science and Electrical Engineering. He has over 350 Scopus-indexed research publications in journals and books-chapters. Dr. Sundar has served as General Chair and Conference Chair of many International Conferences, and delivered many plenary talks on Chaos and Control Systems. He is in the Editorial Boards of many Scopus-indexed journals on control systems and modelling. He has conducted several workshops on Control Systems, Chaos, Systems Modelling and Computational Science using SCILAB and MATLAB.

First Program

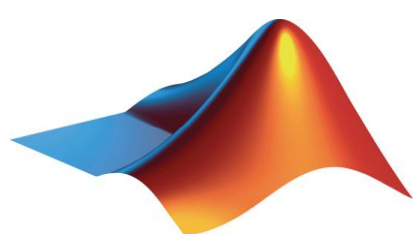
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| 09.00 – 09.30 – Opening |
| 09.30 – 10.30 – Modelling of Nonlinear Control Systems |
| 10.30 – 11.00 – Coffee Break |
| 11.00 – 12.30 – Controller and Observer Design with MATLAB |
| 12.30 – 14.30 – Lunch |
| 14.30 – 15.30 – Chaos and Control |
| 15.30 – 16.30 – Sliding Mode Control |
| 16.30 – 17.00 – Closure |

| | For Local Participants | For Africans | Other Countries |
|-------------------|------------------------|--------------|-----------------|
| Registration Fees | 190 TND | 150 € | 190 € |

It covers: Admission to all sessions, Workshop bag, Coffee Breaks and **Certificate of Attendance**.

Participants should bring their own Laptops with recent version of MATLAB

Website: <http://ipco-co.com/MCM.html>



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