

SSM PhD Courses – Block 4

Starting 24th April 2023

MERC area

- **[Introduction to Reinforcement Learning and Data-Driven Control for Complex Systems](#)**
Lecturer: Prof. Mirco Musolesi (with seminars from Prof. Giovanni Russo)
Email: m.musolesi@ucl.ac.uk
Teaching mode: in-person | Hours: 24
Timetable: [here](#)
Team code: zhht0af
Broadcast online on Zoom:
<https://us02web.zoom.us/j/81523131568?pwd=K0VqcFAxZEFUN3czVkV0ckZ1MDJoQT09>
Meeting ID: 815 2313 1568
Passcode: merc_zoom
- **[Stochastic differential equations and singular stochastic control](#)**
Lecturer: Prof. Tiziano De Angelis
Email: tiziano.deangelis@unito.it
Teaching mode: in-person | Hours: 24
Timetable: [here](#)
Team code: or3i2xa
- **[Networks beyond pairwise interactions](#)** (seminar course)
Lecturer: Prof. Stefano Boccaletti, Prof. Regino Criado
Email: stefano.boccaletti@isc.cnr.it, regino.criado@urjc.es
Teaching mode: in-person | Hours: 10
Timetable: [here](#) (starts 12th April 2023)
Team code: a9itdkv
- **[Theory and applications of delay differential equations](#)**
Lecturer: Prof. John Hogan
Email: s.j.hogan@bristol.ac.uk
Teaching mode: in-person | Hours: 12
Timetable: [here](#)
Team code: qipiscs

MPHS area

- [Theory and applications of delay differential equations](#)
Lecturer: Prof. John Hogan
Email: s.j.hogan@bristol.ac.uk
Teaching mode: in-person | Hours: 12
Timetable: Check the Timetable
Team code: qipiscs
- [Fundamentals of Computational Fluid Dynamics](#)
Lecturer: Prof. Alessandro Veneziani
Email: avenez2@emory.edu
Teaching mode: online & in-person | Hours: 24
Timetable: Check the Timetable
Team code: sv67imn

SPACE area

- [Introduction to Deep Learning](#)
Lecturer: Prof. Poggi and Dr. Gragnaniello
Email: poggi@unina.it , diego.gragnaniello@unina.it
Teaching mode: Online | Hours: 24
Timetable: wed at 10h; tue at 9h (except for 9-16 May, when it is scheduled to be at 15h-17h, starts: May 3)
Team code: l8tg6jt
- [Quantum Information, Complexity and Black Holes](#)
Lecturer: Prof. Alioscia Hama
Email: alioscia.hamma@unina.it
Teaching mode: In-person | Hours: 12
Timetable: tue- thu at 10h in Aula4. Starts: May 2; end: May 18.
Team code: ok1fkxd
- [Standard Model of Fundamental Interactions](#)
Lecturer: Prof. Sannino
Email: sannino@cp3.sdu.dk
Teaching mode: Online | Hours: 12
Timetable: 22-24-29-30 May at 15h, May 25 at 16h and May 29 at 10h
Team code: m1e56nm

- **Inflation in the Early Universe: theoretical developments and observational predictions**

Lecturer: Prof. Matarrese

Email: sabino.matarrese@pd.infn.it

Teaching mode: Online | Hours: 12

Timetable: June 7 at 15h, 8-9-14-15-16 June at 10h

Zoom link: <https://unipd.zoom.us/j/83734700868?pwd=bTRMWmplbis2VldNMIBIZ1Z0R1RtQT09>

Meeting ID: 837 3470 0868 | Passcode: 525381

- **Cosmic Distances**

Lecturer: Prof. Massimo della Valle

Email: massimo.dellavalle@inaf.it

Teaching mode: Mixed | Hours: 12

Timetable: June 21-22 at 10h-12h in presence in Aula4;

June 28-29 at 10h-13h online

Zoom link: <https://us02web.zoom.us/j/84424579572?pwd=Lzh2OS9HT0FyUHpxbzFtSGJiblpRUT09>

Meeting ID: 844 2457 9572 | Passcode: IntrAstro