PhD Course on “Introduction to Geostatistics” (6 CFU)
9-26 April 2018

Lecturer: prof. J. Jaime Gómez-Hernández from the Universitat Politècnica de València.

Program of the course (36 hours)

April 9, 2018, 10:00-12:00; 13:00-15:00

April 11, 2018, 10:00-12:00; 13:00-15:00
Characterization of spatial continuity. The variogram. Variogram models.

April 13, 2018, 10:00-12:00; 13:00-15:00
Introduction to SGeMS. Practical exercise on basic statistics calculation and variogram modeling.

April 16, 2018, 10:00-12:00; 13:00-15:00
Modeling spatial continuity. The random function model. Stationarity and ergodicity. The multiGaussian random function model.

April 18, 2018, 10:00-12:00; 13:00-15:00
Estimation. Ordinary kriging. Other flavors of kriging.

April 20, 2018, 10:00-12:00; 13:00-15:00
Estimation exercise.

April 23, 2018, 10:00-12:00; 13:00-15:00

April 24, 2018, 10:00-12:00; 13:00-15:00

April 26, 2018, 10:00-12:00; 13:00-15:00
Simulation exercise.

The course will comprise theoretical lessons and practices. Students are requested to bring with them their laptop.

Location of the course is the Engineering Scientific Building (Plesso Ingegneria Scientifica), Parco Area delle Scienze 181/A, Parma.

There is no registration fee for the course, but participants must cover their own travel and subsistence costs and an adhesion is required by mailing to mariagiovanna.tanda@unipr.it before March 30th, 2018.

For more information please contact prof. Maria Giovanna Tanda at mariagiovanna.tanda@unipr.it.

This Short Course is made possible with funding from the TeachinParma, Visiting Scientists programme of the University of Parma http://www.teachinparma.com/.

UNIVERSITÀ DI PARMA
Parco Area delle Scienze, 181/A - 43124 Parma
www.unipr.it