



SUMMER SCHOOL

PROGRAM CODE
SS017-03

PROGRAM DURATION
5 Days

DATES
21-25 August 2017

CREDITS
3 ECTS

TUITION
150€ for UNIMIB,
SWJTU PhD and Po-
stdocs;
400€ for IRSS, CRSSC
members; 450€
others; covers course
activities, lunches
and coffee breaks,
welcome cocktail and
one banquet Flight
and other living costs
are not included

University of Milano-Bicocca — Chengdu, China
Department of Informatics, Systems and Communication (DISCo)

ROUGH SETS: DECISION MAKING, DATA MINING, KNOWLEDGE REPRESENTATION

DESCRIPTION OF THE COURSE

The second Summer School on Rough Sets is collaboratively organized by the Southwest Jiaotong University, the University of Milano Bicocca and the University of Leeds under the patronage of the International Rough Set Society. The school's aim is to introduce PhD students and researchers at the early stages of their career to the Rough Set field. Rough Sets were introduced in the early '80s by Prof. Z. Pawlak to deal with imperfect knowledge. Over the years, the subject has attracted many researchers and practitioners, bringing in great developments both in theory and application. They have found interaction with many other related disciplines. Thus, the school is also of interest to those working in related disciplines, such as Decision Making, Knowledge Representation, Data Mining and Big Data. The Program focuses on in-depth theory along with practical application in each of the above-mentioned discipline areas. Program methodology is highly participative, encouraging interaction and communication between the participants and the faculty. There will be ample time for discussion and informal meetings for exchange of knowledge and information.

under the patronage of



*International Rough Set
Society*

*Chinese Rough Set and Soft
Computing Society*

Poster session

A poster session will be organized where students could present their work in the form of a Poster.

Exam

All students will be awarded a certificate of participation, based on minimum 75% of attendance in-class and all other activities associated with the program. Those interested in an official recognition of the ECTS credits should pass an exam, which may be either in the form of poster presentation or a paper submission within a period of 2 months of the completion of the program.

Contents covered

The Program will cover the basics and theoretical aspects of rough sets as well as its main application domains.

A total of seven 4-hour courses will be covered and a panel discussion will be organized.

Confirmed lectures are:

- **Introduction to Rough Sets**, Dominik Slezak, University of Warsaw (Poland)
- **Rough Sets and Decision Making**, Salvatore Greco Università di Catania (Italy)
- **Rough Sets and Logic**, Mohua Banerjee, Indian Institute of Technology (India)
- **Rough sets and Big Data**, Tianrui Li, Southwest Jiaotong University - Chengdu (China)

Scientific committee: Davide Ciucci, University of Milano-Bicocca — Tianrui Li, Southwest Jiaotong University, Chengdu — John Stell, University of Leeds

Organizing committee: Tianrui Li, Southwest Jiatong University, Chengdu — Hongmei Chen, Southwest Jiaotong University, Chengdu — Jie Hu, Southwest Jiaotong University, Chengdu

Location: Southwest Jiaotong University, Chengdu, China

Prerequisites: BA Degree in Computer Science / Mathematics or working background on the program topics

Target audience: PhD Students, MSc students, Researchers at the early stage of their career

For further information, contact: roughsummer@unimib.it