

# REASON PARK

## Fourth INTERNATIONAL SUMMER SCHOOL on "REASONing under PARTial Knowledge"

Foligno (Perugia), ITALY  
16 - 26 September 2004

### MOTIVATION

In the last decades, the treatment of partial knowledge has seen a great expansion, giving rise to a number of different tools (such as nonmonotonic logic, uncertainty measures, etc.) to perform automated reasoning. The understanding of the basic methods and techniques has undergone the development of a truly interdisciplinary research community and of a parallel debate on the choice of the "best" relevant tools.

### AIMS

- to provide young researchers with a basic training in Reasoning under Partial Knowledge and its application in various fields, including Computer Science, Economics, Medicine, Biology, Engineering.
- to stimulate a critical attitude, in particular towards routine application of standard techniques: a particular care will be devoted to singling-out still unsolved puzzling foundational and interpretation problems in this fascinating and rapidly growing field.

The School this year will focus on "Fuzzy Theory" and offers **5 courses** supplemented by a **Seminar**.

- there will be no parallel sessions
- there will be ten days of classes (except Saturday afternoon and Sunday)

### PROGRAM

- *Courses* :
  - Conditional probability and fuzzy sets theory (G. Coletti and R. Scozzafava)
  - Introduction to Fuzzy Logic (A. Di Nola and B. Gerla)
  - Aggregation operators (R. Mesiar)
  - Fuzzy Control (M. Navara)
  - Fuzzy measuring (S. Weber).
- *Seminar* :
  - Similarity (B. Bouchon-Meunier)

### SCIENTIFIC COMMITTEE

P. Bonissone (USA), B. Bouchon-Meunier (France), G. Coletti (Italy), A. Di Nola (Italy), D. Dubois (France), L. Godo (Spain), P. Hajek (Czech Republic), R. Kruse (Germany), D. Miller (UK), E. Pap (Serbia & Montenegro), R. Scozzafava (Italy), P. Smets (Belgium), S. Termini (Italy), E. Trillas (Spain).

### ORGANIZING COMMITTEE

G. Coletti (Università di Perugia), A. Di Nola (Università di Salerno), P. Mingarelli (Lab. Scienze Sperimentali, Foligno), R. Scozzafava (Università "La Sapienza" di Roma), S. Termini (Università di Palermo).

### SUPPORTING INSTITUTIONS (to be settled)

#### Deadlines :

- **May 31** : Deadline for application
- **June 15** : Notification of acceptance
- **July 15** : Deadline for fee's payment
- **September 15** : Welcome and registration
- **September 16** : School starts

### GENERAL INFORMATION

- the number of participants is limited to a maximum of 25.
- Applicants should send a curriculum vitae and possibly a letter of recommendation.
- the total fee, including also lodging, breakfast, lunch, coffee-breaks and social events, is 400 Euro.
- thanks to the sponsoring Institutions, free admission can be granted to 3 deserving (not CEE-resident) students.

**Applicants must send an e-mail to :** [reasonpark@dipmat.unipg.it](mailto:reasonpark@dipmat.unipg.it)  
**and an ordinary mail to:** Reasonpark, Dipartimento di Matematica e Informatica, Università, 06100 PERUGIA (Italy)

### VENUE

- Laboratorio di Scienze Sperimentali - Via Isolabella, 06034 FOLIGNO (Italy), denoted on the map as "Laboratorio"

- All participants will be lodged downtown Foligno at Youth Hostel in *Palazzo Pierantoni* (an old 16th century - recently restored - building) Via Pierantoni 23 (at walking distance from the School), denoted on the map as "Ostello"

- Foligno was the Roman *Fulgina* located on the plain at the confluence of two rivers. The ancient Umbrian center fell to the Romans in 295 BC, subsequently becoming first a Roman *Municipium*, then the seat of the Prefecture, and finally the *Statio principalis* of imperial traffic on the Via Flaminia

#### **How to reach Foligno:**

From Perugia Airport (Sant'Egidio, km. 25)

From Ancona Airport (Falconara, km. 130)

From Rome Airport (Fiumicino, km. 165)

*By train* : on the railway Roma - Ancona ;

or from Florence, railway Terontola - Foligno .

Two other magnificent cities, Assisi and Perugia, are a few kilometers away from Foligno.

#### **SOCIAL EVENTS**

Visits and dinner in nearby towns, possibly mountain excursions on Saturday afternoon and Sunday