

## Topics

- high- $T_c$  superconductors
- density waves
- bad metals
- quantum criticality
- localized vs. extended states

## Invited speakers

- S. Alexandrov (Loughborough)  
 H. Alloul (Orsay)  
 S. N. Artemenko (Moscow)  
 A. Bianconi (Rome)  
 A. Bjeliš (Zagreb)  
 C. Bourbonnais (Sherbrooke)  
 I. Božović (Brookhaven)  
 S. A. Brazovski (Paris)  
 J. R. Cooper (Cambridge)  
 M. Dressel (Stuttgart)  
 L. Forró (Lausanne)  
 T. Giamarchi (Genève)  
 J. P. Pouget (Paris)  
 R. Comès (Orsay)  
 N. M. Plakida (Dubna)  
 A. Zawadowski (Budapest)

**The conference intends** to provide an overview of modern investigations into low-dimensional conductors, with an emphasis on open problems. Both in one and two dimensions, the underlying main theme is the competition of collective degrees of freedom, sometimes leading to physically relevant crossover regimes, coupling (super)conductivity, magnetism, and elasticity. A strong interplay of experimental and theoretical insight is thus indispensable in order to disentangle the dominant effects.

**The occasion is** to celebrate the 70th birthday of Professor Slaven Barišić (University of Zagreb), whose contributions to this subject matter over the past four decades have become standard textbook and reference material in condensed matter theory.



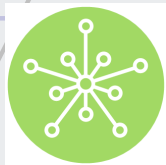
### Chair Persons

- A. Smontara (Institute of Physics, Zagreb)  
 D. K. Sunko (University of Zagreb)

### Local Organizing Committee

J. Lukatela (President), I. Balog, O. S. Barišić, J. Ivkov, P. Popčević, K. Velebit  
 Institute of Physics, Zagreb, Croatia

### Coorganizers



### Sponsorship



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