

# Institute of Physics, Zagreb

Dr. sc. Marko Kralj, Director

# Institute of Physics, Zagreb (IPZg)

- Established in 1960 as "Institute of Physics of the University", construction between 1963 and 1967 since when it functions at the present address
- Initial purpose was to provide an environment for scientific research for the academics of the Zagreb University (PMF and FER)
- Since 1993 a public institute – Institute of Physics
- Top level research in the field of physics (atomic and molecular physics, plasma, condensed matter, surface physics, biophysics, statistical physics) and related interdisciplinary areas, participation in higher education, innovation development



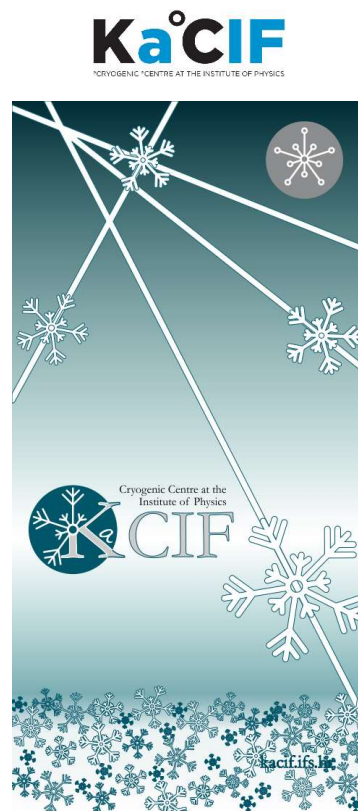
Founder, prof. M. Paić



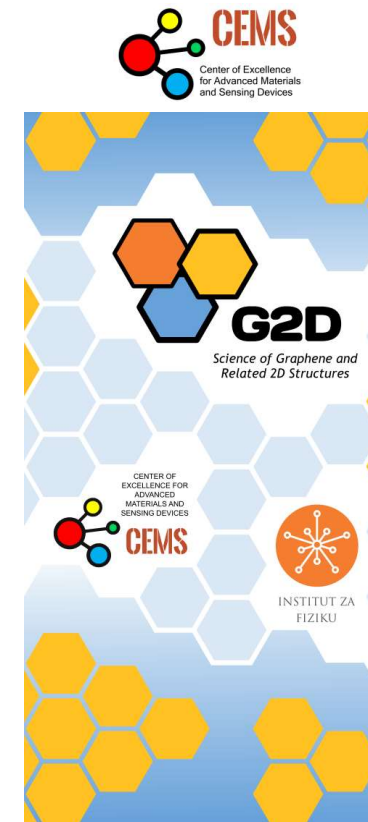
# New opportunities for the Institute of physics: EU structural and investment funds

- **CEMS**: scientific center of excellence (IPZg together with Ruđer Bošković Inst.) dedicated to 2D materials research
- **KaCIF**: infrastructural project dedicated to low temperature infrastructure and research
- **CALT**: strategic infrastructural project of the Republic of Croatia in the field of research infrastructure for improving, upgrading and developing new research infrastructure based on advanced laser techniques

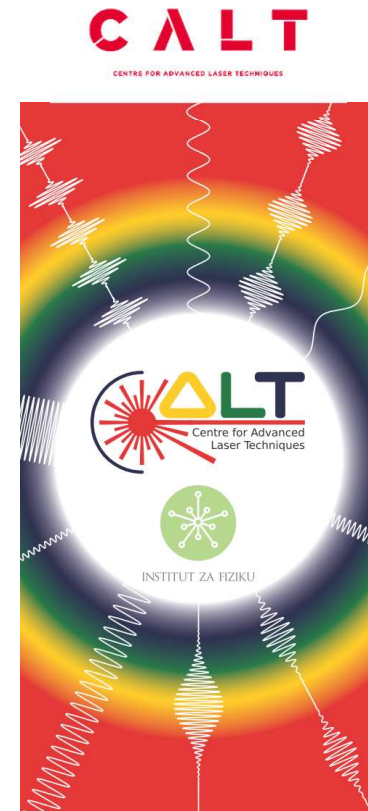
In total more than 21 M€, projects implementation 2017-2021



**Cryogenic Centre at the Institute of Physics**



**Center of excellence for Advanced materials and Sensing Devices**



**Centre for advanced laser techniques**



**Cold atom interferometry- Common Optical Optimisation Laboratory (C-COOL)**

**Part of the C-COOL Lab Consortium**

development of Cold Atom Interferometry based Gravity-Gradiometer systems

**CALT**

Integration of 2D and nano-materials applications (sensors, solar cells, batteries) for space technology

