Welcome

particleface

cost
EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY

PARTICLEFACE2021

UNRAVELING NEW PHYSICS WORKSHOP & MANAGEMENT COMMITTEE MEETING

14-16 July 2021, Institute Ruđer Bošković, Wing 3

Overview [https://indico.cern.ch/event/843006/]

Workshop and (last) Management Committee meeting of COST action PARTICLEFACE

⇒ **2.5 days of talks, + 0.5 day management committee meeting**

⇒ sessions: 9 15 (14th)/ 9 30 - 10 30, 11-12, 14-15, 15 30 - 16 30

coffee 10 30 - 11, 15 - 15 30

lunch 12 30 - 14 00

⇒ leave zoom open so people can discuss during breaks

⇒ 58 participants ! 17 in person

⇒ WG overviews, as well as contributed talks

Lets hope for a fruitful meeting !!

Organizers

- **from network side:** G. Rodrigo, S. Moch
- **local organizers:** T. Robens (RBI), I. Dorsner (U. of Split)
- **local help (RBI):** B. Keckes (secretary), local library and IT teams, O. Antipin, N. Krnkovic, G. Duplancic, K. Passek-Kumericki, I. Nisandzic

Rudjer Boskovic (18 May 1711 - 13 February 1787)

[Portrait by Robert Edge Pine, London, 1760.]

Physicist, astronomer, mathematician, philosopher, diplomat, poet, theologian, Jesuit priest, and polymath from the Republic of Ragusa. Produced a precursor of atomic theory and made many contributions to astronomy, including the first geometric procedure for determining the equator of a rotating planet from three observations of a surface feature and for computing the orbit of a planet from three observations of its position. In 1753 he also discovered the absence of atmosphere on the Moon [Wikipedia].

Rudjer Boskovic Institute

RBI IS THE LARGEST CROATIAN MULTIDISCIPLINARY RESEARCH INSTITUTE IN:

- physics
- chemistry
- marine and environmental research and geosciences
- molecular biology
- biomedicine
- computer science
- electronics/engineering

Rudjer Boskovic Institute: History

Founded by the Academy of Sciences and Arts

- Theoretical physics
- Nuclear physics
- Molecular physics
- Electronics
- * 1952 - Chemistry
- * 1954 - Biology

1950

1955

Independent Institute for Nuclear Energy and Nuclear Sciences, financed by the Yugoslav Federal Commission for Nuclear Energy

established the first postgraduate studies in this region

1957

1962

CYCLOTRON

Rudjer Boskovic Institute: History

Institute was reorganized to 7 Departments and achieved multidisciplinary Character

- Theoretical physics
- Nuclear and Atomic
- Research
- Solid state
- Electronics
- Physical Chemistry
- Organic Chemistry and Biochemistry
- Biology

1963

1969

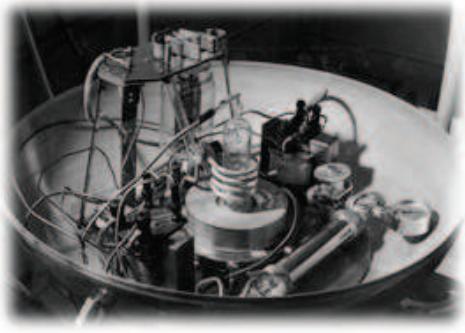
Center for Marine Research (Rovinj)

Molecular Medicine and Molecular Genetics

1990

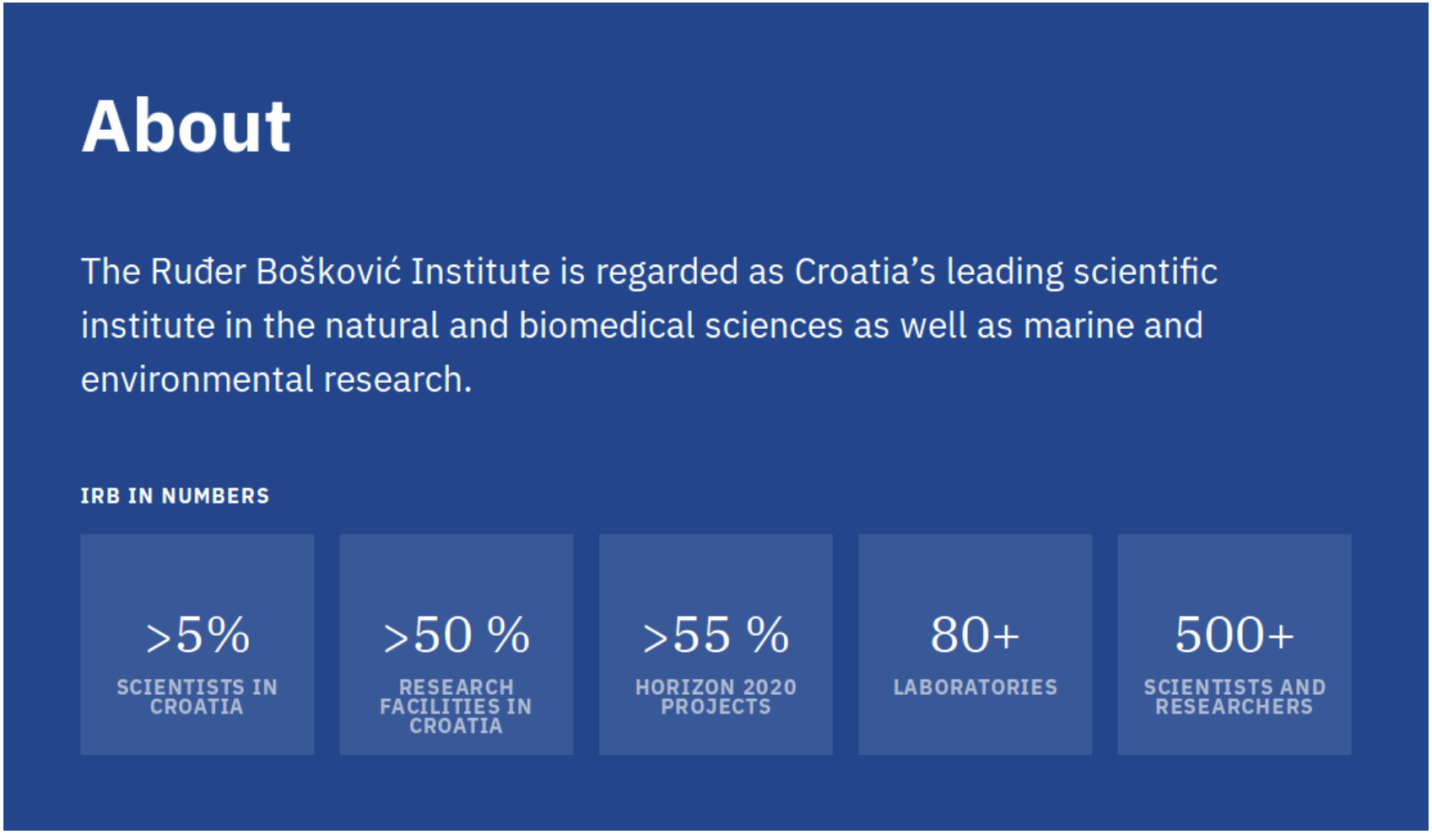
1997

Restructured into three departments and two centers - organized into DIVISIONS



Rudjer Boskovic Institute

[https://www.irb.hr/eng/About-RBI]



[Divisions: Theoretical Physics, Experimental Physics, Materials Physics, Electronics, Physical Chemistry, Organic Chemistry and Biochemistry, Materials Chemistry, Molecular Biology, Molecular Medicine, Marine Research (Center), Marine and Environmental Research]

Practicalities: Talks

- **Zoom details:** to **registered participants only**, should have gotten an email
- **Hyrbid format**: 10 talks in person, 10 remote

$\Rightarrow$ **please raise hands via Zoom** (remote participants)

- **to speakers/ chairs: please repeat questions in room**
- **all speakers: please upload slides asap !** preferably before your talk

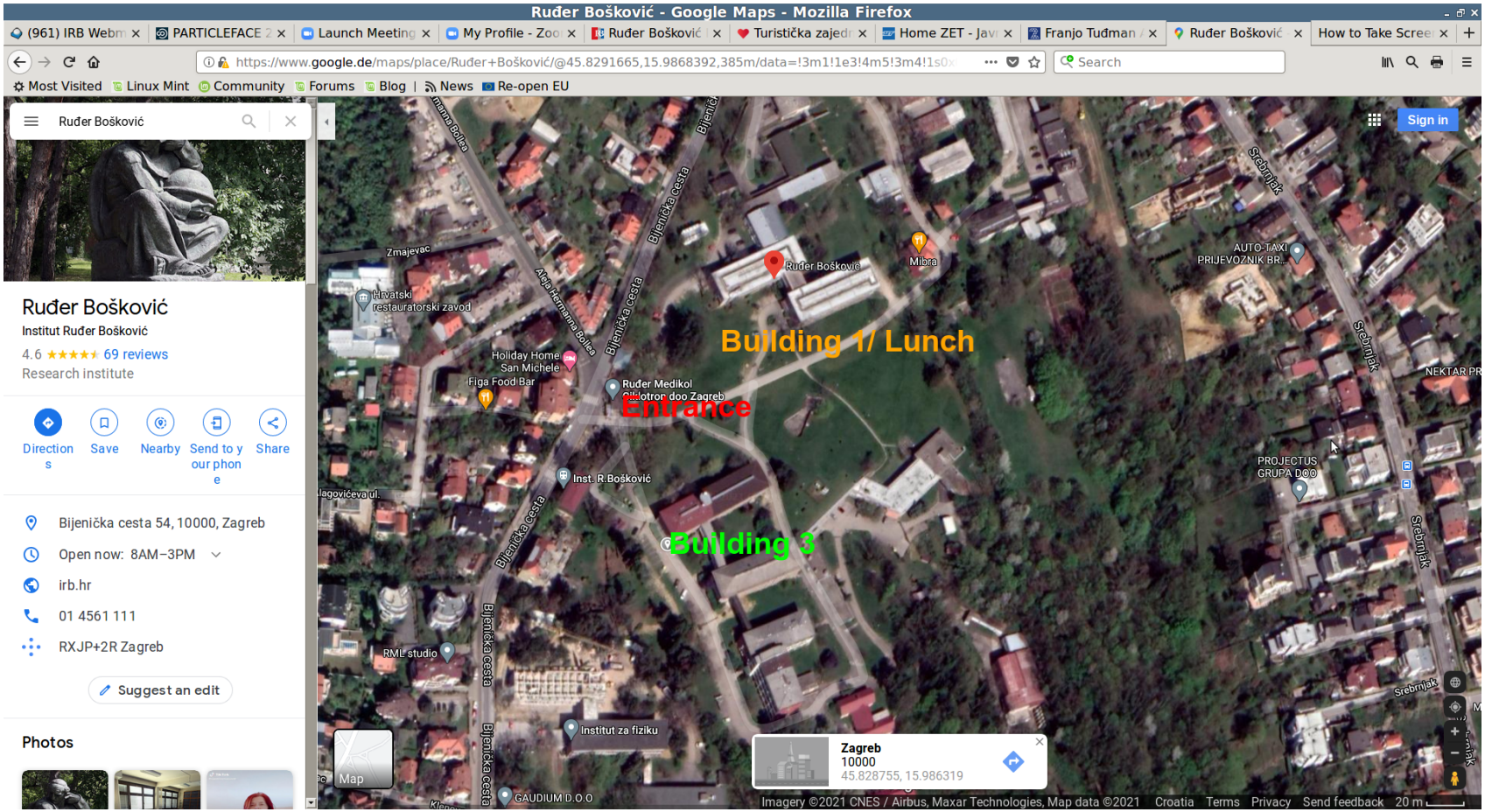
WLAN: Eduroam/ IRB Limited

Practicalities: Covid regulations

- It is necessary to inform the participants that **wearing masks is mandatory during the workshop**. It is necessary to open the window when possible to ventilate the space.
- It is necessary to **maintain a distance of at least 2 meters in the classroom.**
- **It will be necessary to provide a list of participants with addresses, contacts and inform them that if necessary they will submit it to the epidemiological service**
- **Keep a list of participants and their contacts for at least a month. If any of the participants in the following period (up to 14 days from meeting) received a decision on self-isolation from the competent epidemiologist, the organizer must inform the other participants of the meeting to monitor the possible appearance of symptoms of the disease as well as to measure body temperature twice a day. Health monitoring must last up to a total of 14 days from the last contact with a potentially infected person.**

Practicalities: Covid regulations

Practicalities: Location



Practicalities: Contact data and signatures

!! please provide

Personal contact details and phone numbers

1 signature/ day for COST reimbursement

1 signature/ day for RBI billing

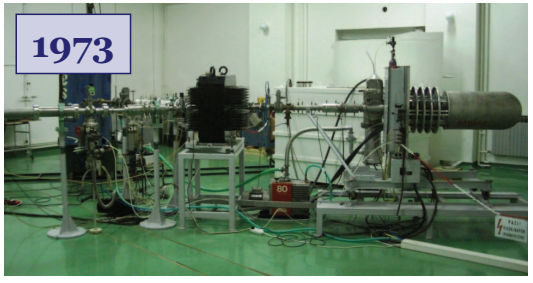
local participants only

What you are missing...

! Beautiful Zagreb !

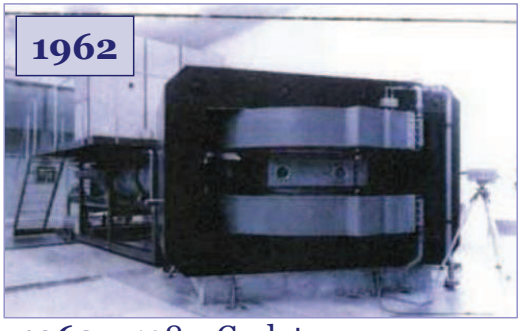
[Copyright: The Zagreb Tourist Board; pictures: Julien Duval (left)/ Sebastijan Carek (right)]

History – accelerators of the R. Bošković Institute



1956 - 200 keV neutron generator
1973 - 350 keV neutron generator
(Still in use)

1987 – 6 MV EN Tandem
2005 - 1 MV Tandetron



1962 – 1987. Cyclotron
(20 MeV deuterons)
2009 - 18 MeV proton
cyclotron (PET isotopes)

[slide by S. Fazinic, RBI]