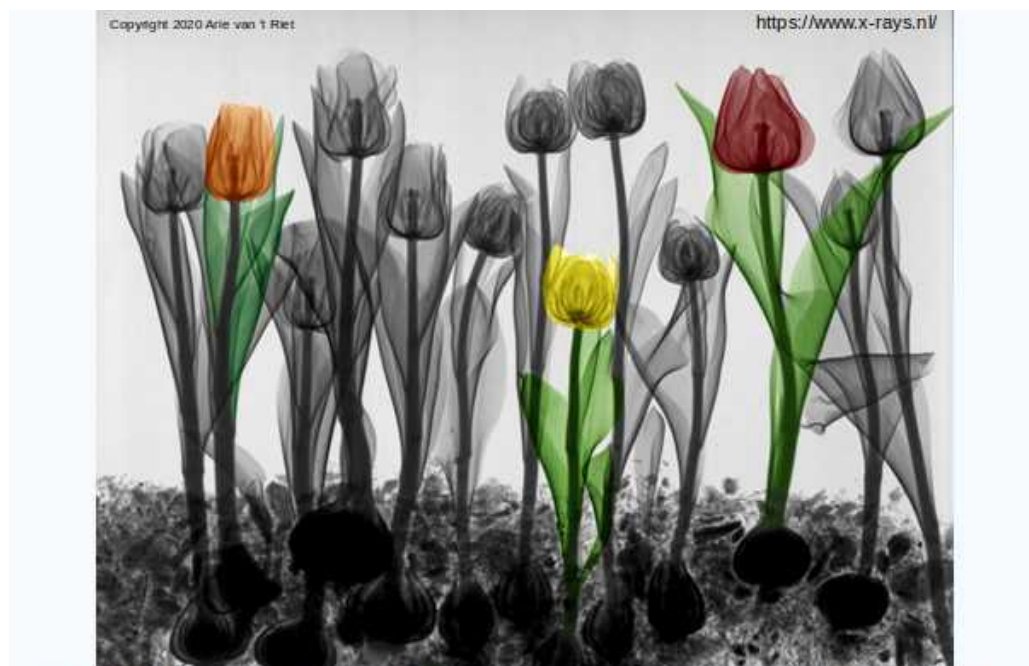




High precision X-ray measurements 2021



High precision X-ray measurements 2021

Scientific Committee:

A. Balerna, *Laboratori Nazionali di Frascati, INFN, Italy*
 D. Bleiner, *Swiss Federal Institute of Materials Science & Technology (Empa), Switzerland*
 C. Curceanu, *Laboratori Nazionali di Frascati, INFN, Italy*
 S. Dabagov, *Laboratori Nazionali di Frascati, INFN, Italy*
 C. Fiorini, *Politecnico di Milano and INFN, Italy*
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 M. Lerch, *Center for Medical Radiation Physics, University of Wollongong, Australia*
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 J. Zmeskal, *Stefan Meyer Institute (SMI), Vienna, Austria*

Local Organizing Committee:

M. Miliucci, F. Napolitano
 A. Tamborrino Orsini (secretariat)

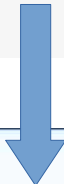
Main Topics:

X-ray energy detectors
 X-ray position detectors
 Spectrometers
 X-ray tracing simulations
 X-ray optics
 Graphite based applications
 X-ray imaging
 Chemical analysis
 X-rays in biological applications
 X-rays in astrophysics
 Medical applications
 X-rays in nuclear physics
 X-ray transitions of exotic atoms
 Agrifood applications

17-19 October 2018
 Laboratori Nazionali di Frascati INFN
 Europe/Rome timezone

Overview
 Call for Abstracts

Participant List
 48 participants



8-10 June 2021
 Europe/Rome timezone

Overview
 Scientific Programme and Invited Speakers

Participant List
 100 participants

17-19 October 2018
 Laboratori Nazionali di Frascati INFN
 Europe/Rome timezone

Overview
 Call for Abstracts
 Workshop Programme

Speaker List

38 / 38



8-10 June 2021
 Europe/Rome timezone

Overview
 Scientific Programme and Invited Speakers

Speaker List

52 / 52

Thanks to Covid-19 (not only, hopefully...)
number of participants is more than doubled

Number of “silent participants”
is also highly increased

Number of talks increased (+14)

But....

Compressed timetable

Short talks of 20 minutes (17'+3')

The workshop is sponsored by MDPI Publishing



OPEN  ACCESS

The works presented during the workshop will be published as regular articles without charges in a [Special Issue](#) of [Condensed Matter](#), an international open access journal on the physics of condensed matter published quarterly online by MDPI and recently indexed in Scopus.



an Open Access Journal by MDPI

Condensed Matter

Condensed Matter is an international, [peer-reviewed](#), open access journal on the physics of condensed matter published quarterly online by MDPI.

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/ High Precision X-ray Measurements 2021

Special Issue "High Precision X-ray Measurements 2021"

- [Special Issue Editors](#)
- [Special Issue Information](#)
- [Keywords](#)
- [Published Papers](#)

A special issue of *Condensed Matter* (ISSN 2410-3896). This special issue belongs to the section "[Spectroscopy and Imaging in Condensed Matter](#)".

Deadline for manuscript submissions: **30 September 2021**.



Best young researcher (student) talk competition

Sponsored by MDPI

Title	Time slot	Presenter
Laser-Induced XUV Spectroscopy (LIXS) for High-Precision Lithium Analysis of Energy Materials	8 Jun 2021, 15:55	Di Qu
Mastering Synchrotron Microbeams for Radiotherapy: effective cancer treatment with remarkable healthy tissue tolerance	9 Jun 2021, 09:40	Elette Engels
Probing Electron Properties in ECR Plasmas using X-ray Bremsstrahlung and Fluorescence Emission	9 Jun 2021, 12:40	Barat Mishra
Compressive signal collection for dynamic XAFS in the home lab	10 Jun 2021, 09:20	Yousuf Hemani
Study of multi-pixel scintillator detector configurations for measuring polarized gamma radiation	10 Jun 2021, 10:00	Ana Marija Kožuljević
High sensitivity X-ray phase imaging system based on a Hartmann Wavefront Sensor	10 Jun 2021, 10:40	Ginevra Begani Provinciali
The TRILL project: increasing the technological readiness level of Laue lenses for hard X/soft Gamma-ray astronomy	10 Jun 2021, 11:00	Lisa Ferro
X-ray micro-tomography as a method to distinguish and classify natural and cultivated pearls	10 Jun 2021, 11:20	Luisa Vigorelli

Winner announcement on Thu 10/06 – 16:15

1st prize



2nd prize



3rd prize



Program:

- Short and multitopic sessions (with more coffee breaks)
- Tue 08/06: 09:00 – 17:30
 - Opening lecture: Wilhelm Conrad Röntgen –Discovery and first attempts to clarify the physical nature of X-rays
Dr. Uwe Busch, Director of Deutsches Roentgen-Museum, Remscheid, Germany
- Wed 09/06: 09:00 – 17:30
- Thu 10/06: 09:00 – 16:40
 - 16:15 Talk competition winners announcement & closing remarks

Useful information:

- Conference website (short)link: l.infn.it/hpxm2021
- Zoom Link: <https://infn-it.zoom.us/j/84649686774> (visible on the webpage)
- Each talk will be 17' + 3' for discussions
- Since we can't have physical interactions, we encourage you to use Zoom chat
- Please, upload your slides from the conference webpage or send them to the organizers
- Proceedings on the "High Precision X-ray Measurements 2021"
Special Issue of Condensed Matter (link on the webpage)
Deadline (for manuscript submission): 30/09/2021

.... enjoy the event!!!