



**Scintillation Screens
and
Optical Technology
for transverse Profile Measurements**
ARIES-ADA Topical Workshop, Krakow, Poland
April 1 to 3, 2019



JAGIELLONIAN
UNIVERSITY
IN KRAKOW

EST 1364

KRAKÓW

- The 2nd largest (ca. 327 km²) and one of the oldest cities (7th century) in Poland.
- Situated on the Vistula River in the Lesser Poland region.
- Former capital of Poland until 16th century.
- One of Europe's most beautiful cities.
- Old Town was declared a UNESCO World Heritage Site.
- 769 498 citizens and around 200 000 students.
- 24 Institution of higher education



en.uj.edu.pl



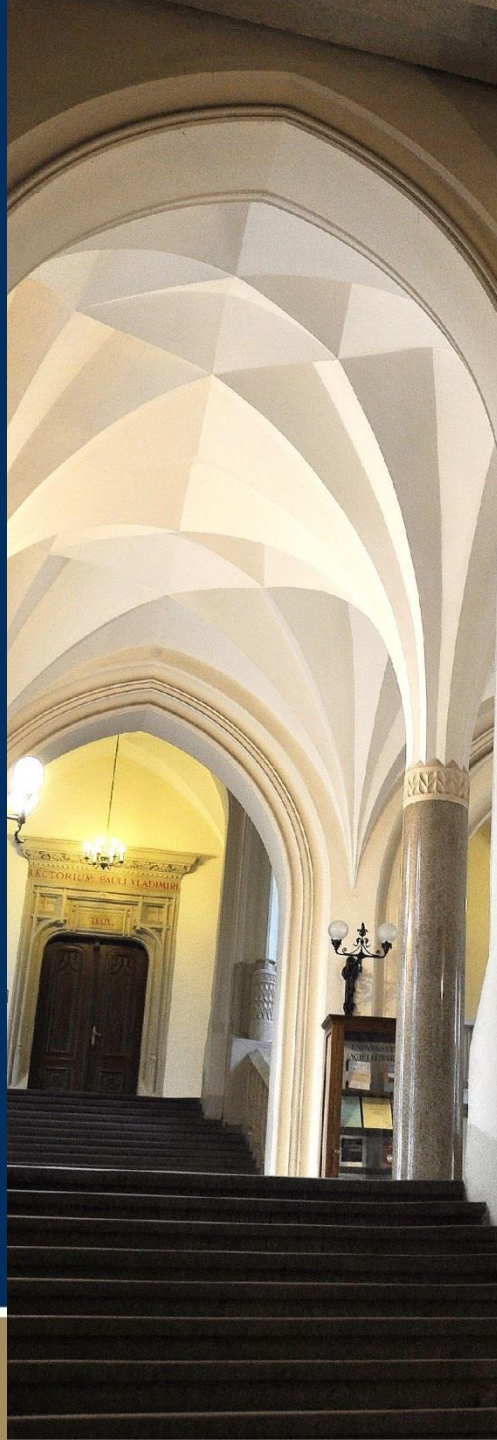
JAGIELLONIAN
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SOLARIS
NATIONAL SYNCHROTRON
RADIATION CENTRE

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Jagiellonian University overview

It was founded in 1364 in Kraków

The oldest university in Poland

**One of the oldest universities
in the world**

One of the best universities in Poland

**One of the biggest universities in
Central Europe: 45 000 students**

**One of the widest educational offer
in Poland:**

- 16 faculties
- over 150 study programmes

**Our famous graduates include:
astronomer Nicolaus Copernicus
and Pope John Paul II**

**Poet Wisława Szymborska,
later Nobel Laureate in Literature,
studied at the Jagiellonian University**



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The Jagiellonian University also means:

- Jagiellonian Library – over 5 million books and periodicals
- Astronomical Observatory – monthly "Evenings with the stars"
- Botanical Garden – the oldest one in Poland, founded in 1783
- Vineyard on Manor Brook, which produces international prize-winning university wine



- 10 museums
- A multitude of musical ensembles
- Auditorium Maximum – teaching and conference facility with an assembly hall for more than 1,200 people
- The biggest employer in Małopolska region

The Jagiellonian University has excellent world-class research centres:

Małopolska Centre of Biotechnology

The Jagiellonian Centre for Experimental Therapeutics

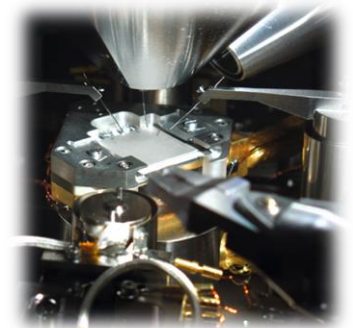
OMICRON

CITTRU

Copernicus Center for Interdisciplinary Studies

Life Science Park

SOLARIS Synchrotron



SOLARIS
NATIONAL SYNCHROTRON
RADIATION CENTRE

3rd generation light source facility built at the Jagiellonian University Campus in Krakow, Poland. The machine was constructed in 2015 thanks to the unique cooperation with MAXIV Laboratory in Lund, Sweden.

Visit and more details on Wednesday



600 MeV Linac with RF Thermionic Gun
6 accelerating structures combined in 3 units
Accelerating gradient 20 MeV/m
S-band – 2998.5 MHz
3 RF Units & SLED cavities
In operation since Dec. 2014

1.5GeV Storage ring
12 DBA Cells – 96 m circ.
Space for ID's (10 sections) ~ 3.5 m
10 straight sections for Ids
100 MHz RF system
300 MHz Landau Cavities
Injection dipole kicker
Ramping
In operation since May 2015
2 beamlines in operation for users (2018)
4 beamlines under construction

ARIES Integrating Activity Project

First of all: Thank you very much for coming and contributing

ARIES stands for

Accelerator Research and Innovation for European Science and Society

- It is funded by European Union within Horizon 2020
- It has 41 participating institutions from 18 countries all over Europe
- The project coordinator is Maurizio Vertenar from CERN

ARIES consists of

- Five **Joint Research Activities** for development of key technologies
- Five **Transnational Access** to provides infrastructure
- Seven **Network Activities** aiming for collaborations and common efforts

Among those: **ADA = Advanced Diagnostics for Accelerators**
with the goal of knowledge exchange

Workshop Overview

Sessions:

- Scintillator physics and technology
- Optics and camera technology
- Experiences at hadron accelerators
- Experiences at electron accelerators
- Discussion session on Wednesday morning

In addition: Industrial exhibition on Tuesday

Solaris visit and discussion session:

- Wednesday morning, start at **9:00** here
- Public transportation will be used, Isabel de Caluwe will provide tickets
- Hotel is paid by ARIES (max. 3 nights)
 - check-out should be fast as you don't have to pay

Workshop Execution

Technical details:

- Please upload your talk **before** the related session
INDICO-site indico.cern.ch/event/765975/ using your CERN INDICO account
- Klaus Höhne downloaded the **available** talks yesterday night
- Due to weak internet connection bring every talk on USB-stick
at the **begin** of the **preceding** break at latest
- If you don't have an INDICO account, please contact Klaus Höhne timely
- If it is unavoidable to use your own MAC, please inform us timely
- We try without microphone
- Please keep in time with your presentation to allow for discussion
- **Please contribute to the discussion, it is workshop !**

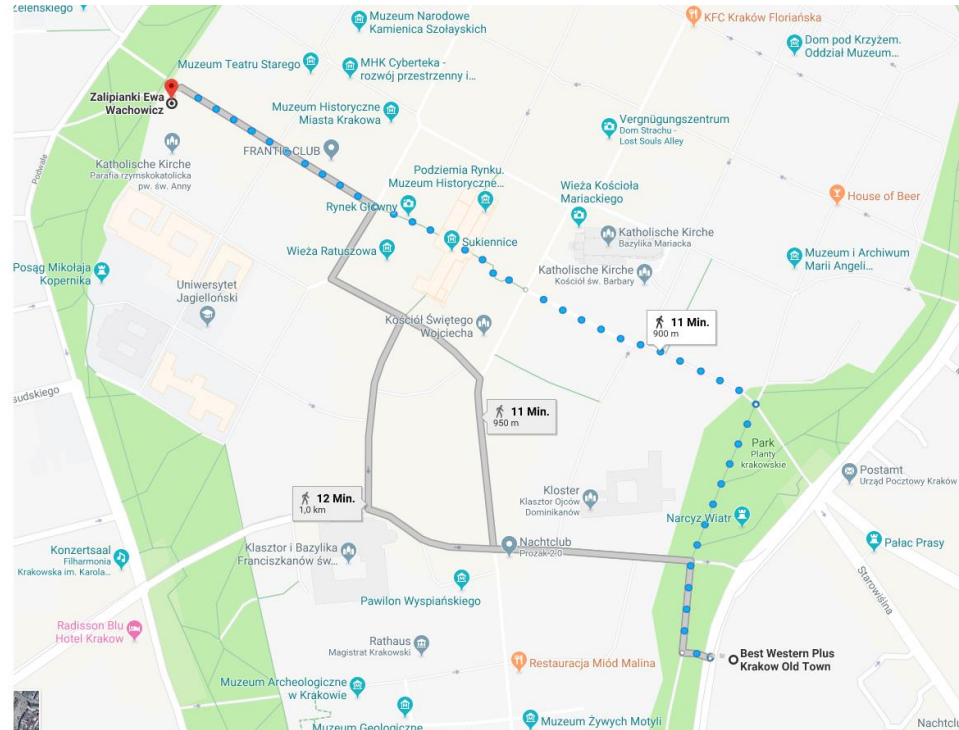
Lunch and dinner:

- Business lunch will be provided at this hotel today and tomorrow
- Today's dinner at this hotel, start at 19:30

Dinner Tuesday 2nd of April

Location: Restauracja Zalipianki ul. Szewska 24, Krakow

Start: 19:30 o'clock



Map can be received from Isabel de Caluwe

Sponsored by:



Tasty Polish food

ARIES

Sponsors & Organizers

Significant financial contributions by:



HEPTech • *INFRAMET*
Leading HEP technologies for industry
Technology Transfer opportunities



nanonet **pco.**



Organizer:



together
with



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Best organizer:

Isabel de Caluwe and Beata Walasek-Höhne → thank you very much !

Thank you very much for coming.

Let's get started!

