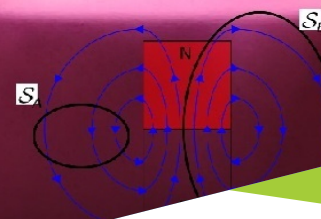
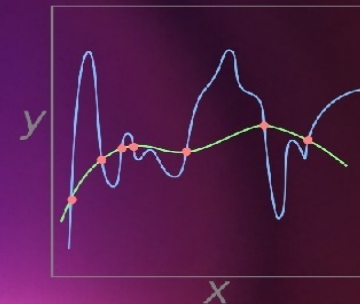
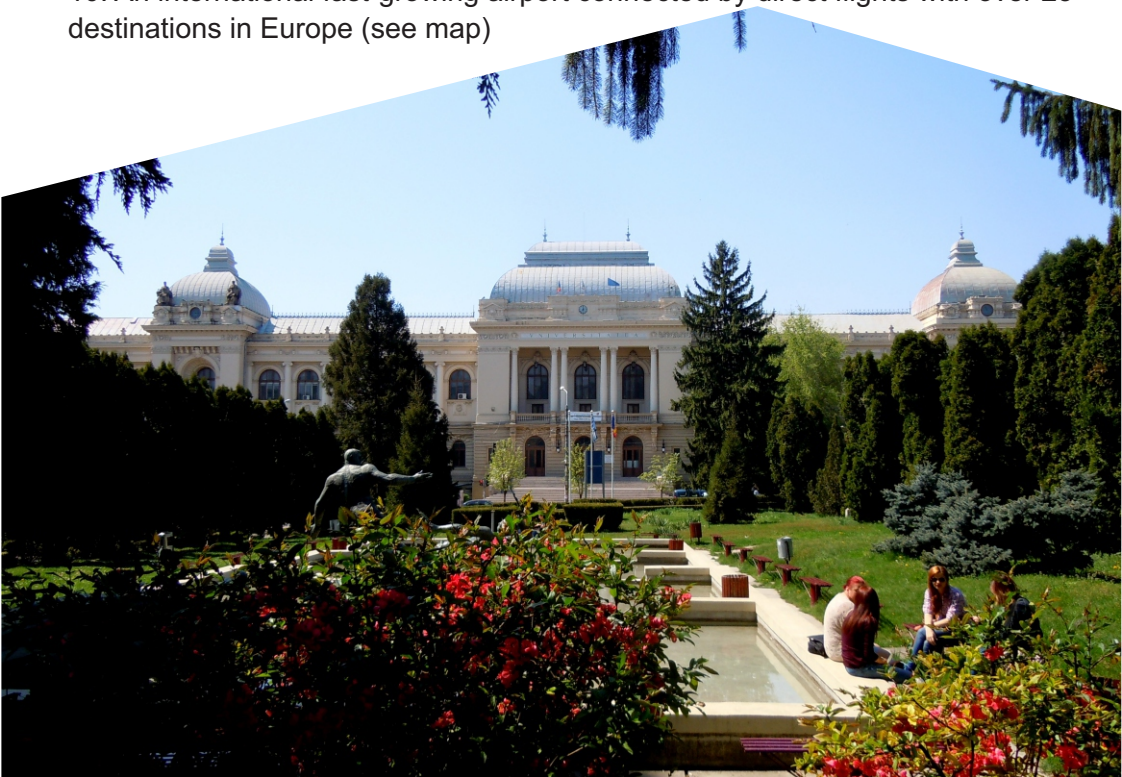


FACTS ABOUT IAȘI

1. A city of 400.000 inhabitants and 50.000 students
2. The Easternmost university city in the European Union
3. Birthplace of Romania (place of the Union of Moldavia and Wallachia Principalities in 1859)
4. Vibrant IT hub, one of the worlds fastest internet speed and an excellent destination for digital nomads;
5. City of the first modern University in Romania (UAIC, 1860)
6. Home to one of the world top 7 theatre buildings (BBC) and to one of the most majestic libraries of the world (BoredPanda.com)
7. Top Christian Orthodox pilgrimage site (over 400.000 pilgrims/year)
8. Known for its cozy specialty café s, large green parks, monumental buildings, eclectic architectures and perfume of an old capital city
9. A City of Seven Hills, surrounded by beer factories, vineyards and winemakers, monasteries and bicycle paths
10. An international fast-growing airport connected by direct flights with over 25 destinations in Europe (see map)



JASSY

Summer School - 5th edition

HS

Iași, Romania
4-15 July 2022

HARD SCIENCES UNVEILED
an Interdisciplinary Tour



Alexandru Ioan Cuza University of Iași (UAIC)
www.uaic.ro/jassy

HARD SCIENCES UNVEILED an Interdisciplinary Tour

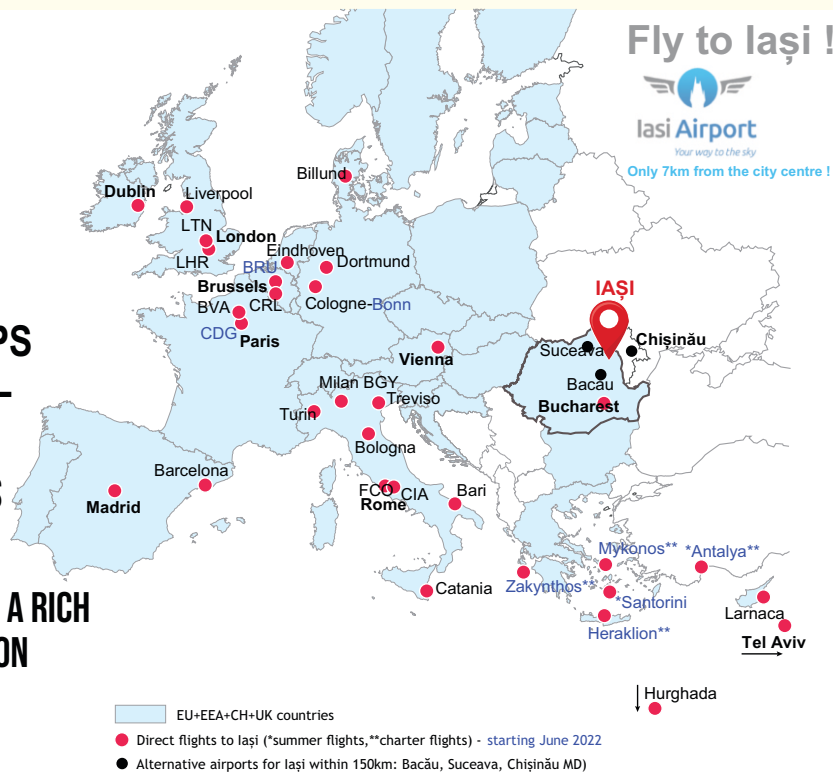
Main data:

2 WEEKS

**LECTURES
WORKSHOPS
& INFORMAL
ACTIVITIES**

**6 ECTS CREDITS
300 € FEE**

**A GREAT CITY & A RICH
CULTURAL REGION**



Objectives

- learning key concepts in STEM disciplines
- participating in hands-on activities and lab skills training
- collecting, analysing and displaying scientific data from various fields
- meeting researchers who can assist you throughout JASSY and even with further scientific projects

JASSY Summer School puts a strong emphasis on transversal competencies, through the interdisciplinarity of its courses and through its extracurricular activities.

CURRICULUM CHART

Lectures and workshops:

- Numerical simulations in physics
- Hands on High Energy Particle Physics
- Introduction to plasma physics
- Chaos and self-organization
- Diatomic molecular spectra
- The correlation between microstructure and functional properties in materials for microelectronics
- Basic optimization algorithms which cannot exist without “a little bit of math”
- Mathematical models in Life Sciences
- Applications of Probability Theory
- Astronomy & sky map reading
- Basic mathematical structures used in cryptography
- Introduction to Cryptography and Internet of Things (IoT)
- Artificial Intelligence in Computer Games
- Artificial Intelligence: what it really is and how it really works
- A hands-on experience in machine learning
- Introduction to Mixed Realities

Informal Activities:

- Guided tour of the University Palace
- Guided tour of the city of Iași
- Visit of heritage buildings
- Introduction to kayaking
- Wine tasting techniques
- Guided visit of the Palace of Culture
- Outdoor active tour
- Birdwatching, visit of Iași Botanical Garden
- Trip to the cultural region surrounding Iași

APPLICATION & INFO

Steps:

1. Send your CV & Motivation letter to jassy@uaic.ro

JASSY assesses the submitted files on a first-come, first-served basis (so send the required documents as early as possible, no later than 1 June 2022). JASSY confirms the acceptance by e-mail within three working days.

2. Fill in the Registration Form received by e-mail.

3. Pay the participation fee as indicated in the e-mail notification. ! Applications received after 1 June 2022 will not be taken into consideration!

Other info:

- Certificate of attendance for all attendees;
- 6 ECTS credits upon successfully passing the final evaluation;
- A limited number of scholarships will be available for students from partner universities.

UAIC Facts:

- Founded in 1860
- Top 3 Romanian Universities
- 600+ partner universities
- Top 2% in Europe in student exchange
- 15 Faculties (Schools)
- 238 Degrees in the 3 cycles (B/M/D)
- over 25.500 students
- 1500 full-time staff



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