

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
Abou Bekr BelKaïd University, Tlemcen
Faculty Of Sciences



Student Center I2E, University of Tlemcen, Algeria

Team 01, Theoretical Physics Laboratory (LPT), University of Tlemcen, Algeria

NCACES 2027

1st National Conference on Atomic Collisions and Applications to Energy Systems



Tlemcen, on March 22-23, 2027

Conference Topics

01 Atomic and Molecular Collision Physics

- Atomic and Molecular Collision
- Electron-Atom and Ion-Atom Collision Processes
- Elastic and Inelastic Scattering

02 Theoretical Atomic Physics

- Quantum Scattering and Cross-Section Modeling
- Calculation of Collision Cross Sections
- Numerical Simulation of Atomic Collision Processes

03 Renewable Energy Systems and Applications

- Solar Energy Systems and Photovoltaic Applications
- Wind Energy Systems and Aerodynamic Modeling
- Hydrogen Energy Systems and Industrial Applications

04 Energy Storage and Conversion Technologies

- Energy Conversion Systems
- Hybrid Energy Systems
- Advanced Energy Materials

TLEMCEN UNIVERSITY TECHNOLOGY INNOVATION SUPPORT CENTER

CENTRE DES CARRIÈRES CDC



Contact us:
i2e.studentcenter@univ-tlemcen.dz

https://ncaces-dz.com/

QR Code

Faculty of Medicine, 24 Hamri Ahmed Street, Tlemcen, 13000.

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Organize :

1st National Conference on Atomic Collisions And Applications to Energy Systems

NCACES
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Tlemcen, on March 22-23, 2027

Honorary Chairmen

- Pr. Mourad Meghachou, Rector of Tlemcen University.
- Pr. Zoheir Arrar, Dean of Faculty of the Sciences, Tlemcen University.
- Pr. Mohammed Amine Chikh, Dean of Faculty of Technologies, Tlemcen University.

Honorary Members

- Pr. Nabil Badreddine Brahmi, Head of Physics Department, Tlemcen University.

Conference Chair

- **Dr. Hiba Imane Berrezoug, Tlemcen University.**

Conference Co-Chairs

- Dr. Farah Lallam, Tlemcen University.
- Dr. Rania Boudefla, ENSTTIC, Oran.
- Dr. Meryem Chadel, Tlemcen University.
- Dr. Faliha Nadia Chalabi, Tlemcen University.

Scientific Committee Chair

- **Pr. Boumedienne Lasri, Director of the Higher Normal School of Saida (ENS Saida)**

Scientific Committee Members

- Pr. Zinelabidin Bentalha, Tlemcen University.
- Pr. Mohammed Belhamiani , Ain-Temouchent University.
- Pr. Souhila Bensmaine, Tlemcen University.
- Pr. Mohammed Salah Eddine Hamroun , Algiers, CRAPC.
- Pr. Mohammed Benramdane, Tlemcen University.
- Pr. Bourassia Bensaad, Ain-Temouchent University.
- Pr. Samiha Dergal, Tlemcen University.
- Pr. Khaled Aliane, Tlemcen University.
- Pr. Yamina Bekri, University Center of Maghnia.
- Pr. Rachid Saim, Tlemcen University.
- Pr. Rafik Benallal, ESSA, Tlemcen.
- Pr. Zakia Hadjou Belaid, Tlemcen University.
- Dr. Mouna Cheriet, Constantine Center of Biotechnology Research
- Dr. Sarah Ines Medjahdi, Tlemcen University.
- Dr. Moussaab Belarbi, ENPO, Oran.
- Dr. Nadia Bachir, Tlemcen University.
- Dr. Bouhelal Guendouz, Ain-Temouchent University.
- Dr. Souad Wassila Rachedi, Tlemcen University.
- Dr. Amel Boutasta, Tlemcen University.
- Dr. Zehor Allam, Djelfa University.
- Dr. Ammaria Mahmoudi, Algiers University.
- Dr. Souhila Rerbal, Tlemcen University.
- Dr. Arslane Boudghene Stambouli, Tlemcen University.

Organizing Committee Chair

- **Pr. Zakaria Sari Hassoun, Director of Student Center I2E, Tlemcen University.**

Organizing Committee Members

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- Dr. Djazia Ghefir, Tlemcen University.
- Dr. Meriem Bensenane, Tlemcen University.
- Dr. Nabil Mahi, Djelfa University.

Administrative and Technical Support

- Mr. Yahia Touileb, Tlemcen University.
- Mr. Belkheir Djebari, Tlemcen University.

Contact

If you have any questions or would like additional details, feel free to reach out to us at:

i2e.studentcenter@univ-tlemcen.dz
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Conference Overview and Objectives

The 1st National Conference on Atomic Collisions and Applications to Energy Systems (NCACES 2027) aims to bring together researchers to exchange knowledge on atomic and molecular collision physics and sustainable energy technologies. The conference will explore collision dynamics, atomic physics, plasma physics, renewable energy, and energy storage and conversion systems.

NCACES 2027 seeks to foster interdisciplinary collaboration, promote innovative energy solutions, and strengthen scientific cooperation between universities and research laboratories.

Thematic Sessions

Topic 1: Atomic and Molecular Collision Physics

- Atomic and Molecular Collisions
- Electron–Atom and Ion–Atom Collision Processes
- Elastic and Inelastic Scattering

Topic 2 : Theoretical Atomic Physics

- Quantum Scattering and Cross-Section Modeling
- Calculation of Collision Cross Sections
- Numerical Simulation of Atomic Collision Processes

Topic 3: Renewable Energy Systems and Applications

- Solar Energy Systems and Photovoltaic Applications
- Wind Energy Systems and Aerodynamic Modeling
- Hydrogen Energy Systems and Industrial Applications

Topic 4: Energy Storage and Conversion Technologies

- Energy Conversion Systems
- Hybrid Energy Systems
- Advanced Energy Materials

Language

English (Obligation of **Paper**), **French** and **Arabic**

Submission Guidelines

Authors are invited to prepare their abstracts in accordance with the **official templates available on the conference website,** https://ncaces-dz.com/docs/Abstract%20Template.docx and submit them to the dedicated email address corresponding to their selected thematic topic.

topic1.i2e@univ-tlemcen.dz
topic2.i2e@univ-tlemcen.dz
topic3.i2e@univ-tlemcen.dz
topic4.i2e@univ-tlemcen.dz

Call for Scientific Contributions

We invite researchers, academics, and professionals to submit their scientific contributions for **oral or poster presentations**. (English, French or Arabic)

Important Dates

Abstract Submission Deadline	January 31, 2027
Notifications	February 13, 2027
Full Paper Submission Deadline	March 06, 2027
Conference	March 22–23, 2027

Registration Fees

Academic : 10000 DZD
Student : 6000 DZD
Industrial: 12000 DZD

- Registration fees include conference materials, coffee breaks and lunches, and access to all sessions. Accommodation is not included .
- Students must provide proof of their student status (student ID card or certificate) at the registration desk.
- An additional fee of 4000 DZD will be charged for the submission of a second article by the same author.

Publication

- All accepted papers will be published as **book chapters** in an edited scientific book published by a university press and distribution house.
- The book will be assigned an **ISBN** and indexed in **international academic databases**.
- Each author will receive a digital copy of the published book.
- A **publication certificate** will be provided to all authors

Optional Free Training Workshop

March 24, 2027 (Morning)

- A free training session on **Patent Drafting**, **Entrepreneurship**, and **Startup Label Application** will be offered to interested participants.
- An **attendance certificate** will be issued by the I2E Center, University of Tlemcen.

Please note: Lunch is not included on this day.

Awards:



A special gift will be awarded to the winner of **the Best Poster Award** and the winner of **the Best Oral Presentation Award**.

Recommended Accommodation

Hôtel ISLAM, Tlemcen

- Participants are responsible for arranging their **own accommodation**.
- Hôtel ISLAM in Tlemcen is recommended, with a **special discount available** for conference participants.
- For further information and reservations, please visit:

https://www.tiktok.com/@hotel_islam3?_r=1&_t=ZS-9Aswa11H5lf

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