4th International Summer School on **Mi**cro and **Na**no-fabrication **to**ols for innovating applied electronics and fundamental research

# MINATO Summer School 2027



**Register now !**

*Would you like to explore and acquire skills in Micro and Nano-technology, while traveling the world, discovering French "art de vivre", and meeting new people from different cultural backgrounds ?*



Micro and Nano technologies are nowadays "**Key Enabling Technologies**" for innovating applied science and fundamental research.
Discover the fundamentals **of Semiconductors, Quantum Technologies,** and get **micro-nano fabrication skills** thanks to MINATO, through an **interdisciplinary, hands-on program** (more than 60% practical work).

In the south of France, you will study within a high-ranking French engineering institute, INSA Toulouse, **fabricate and test your own device in a clean room** and research facilities at AIME.

**2-week dates :**
***June 21, to July 2, 2027***

**or 4-week dates :**
***June 21, to July 16, 2027***

**ECTS credits:**
*5 for 2-week option*
*10 for 4-week option*



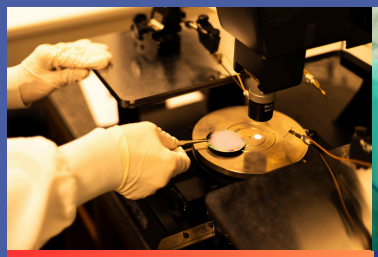

**Toulouse**
**France**

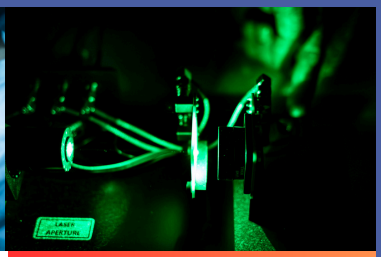
https://www.aime-toulouse.fr/summer-school-minato/

AIME Micro Nano Pôle CNFM de Toulouse — INSA TOULOUSE — Université de Toulouse

**Design your own summer school program!**

Pick one track for 2 weeks summer school (5 ECTS credits)
two tracks for 4 weeks summer school (10 ECTS credits).



| TRACK 1 | TRACK 2 | TRACK 3 | TRACK 4 |
|---|---|---|---|
| **Microelectronics** MOS (metal-oxide-semiconductor) technology | **Energy** Integrated energy harvesting and storage technologies | **Nano chemistry** Chemical sensors based on nano-objects | **Quantum technology** Ultrasensitive Sensors and quantum cryptography |
| | | | Only for 4 weeks program. |




**Activities:** guided tour in world heritage sites by UNESCO (Carcassonne city, Canal du midi…), visit of the Pic du Midi and its astronomical observatory; visit of **AIRBUS** facilities, CNRS Laboratories ; typical French food tasting ; 14th of July celebration…

**Who can apply:** open to undergraduate, graduate and PhD students in mathematics, physics, chemistry, materials science, electronics.
Preliminary entry-level online courses refreshing the required topics are provided.

**Participant Fees:**

**# Free movers: €3,750 for 2 weeks or €5,600 for 4 weeks program.**
**# Partners: €2,200 for 2 weeks or €3,250 for 4 weeks program.**
(tuition fees are waived for participants from INSA Toulouse partner institutions).

**All fees include accommodation, lunches, cultural activities, social events, and visits organized by MINATO.**

*Why MINATO ?*

**Application deadline: March 15, 2027**

Educational Manager:
*Pr. M. RESPAUD*

Apply here : https://demandes.insa-toulouse.fr

More information: Detailed program, testimonial, practical information, registration, … : https://www.aime-toulouse.fr/summer-school-minato/

AIME Micro-Nano Pôle CNFM de Toulouse — INSA TOULOUSE — Université de Toulouse