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Summer school 2019 - VIETNAM

International Plasma Physics School in Vietnam!

1-6 July, 2019

Organised within the XVth Rencontres du Vietnam at ICISE



Presentation of the summer school
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Join the 5-day PLAS@PAR summer school in Vietnam! This school is targeting students at the master level looking to improve their knowledge of plasma physics, from astrophysical and natural plasmas to plasma applications.

Lectures, accommodation (hotel and restaurant) are free of charge.

Objective

The main objective is to introduce plasma physics in any state from Laboratory, to the distant universe. The school will select motivated students with a good background in physics or applied mathematics, to introduce them to the diversity of plasma physics. Hence the training covers various aspects of plasmas: astrophysical and natural plasmas, laboratory plasmas generated by lasers, electrical devices, ion beams, and also cold plasmas for industrial applications etc.

Program director: Philippe Savoini

About PLAS@PAR previous summer schools

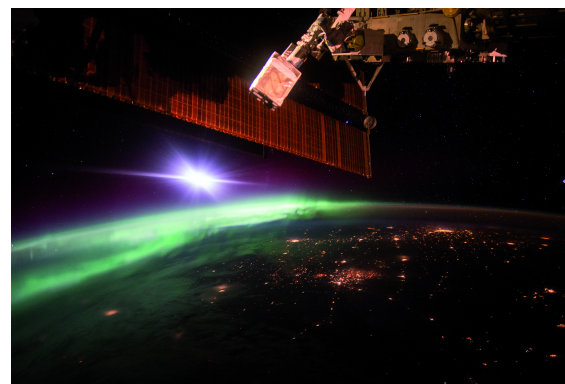
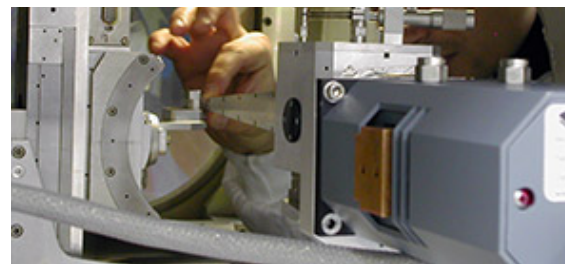
Each year since 2013, PLAS@PAR organizes summer schools in France. 25 students from France, Europe and abroad come together to Banyuls or to Roscoff and discover together the diversity of plasmas. This year, PLAS@PAR inaugurates an international summer school in Vietnam to reach new students from Asia and Oceania.

About ICISE

The international summer school in Vietnam will take place at The International Center for Interdisciplinary Science and Education (ICISE (<https://www.icisequynhon.com/>)): a unique science and education institution located in the coastal city of Quy Nhon, Vietnam. It welcomes national and international Conferences, specialized professional colloquia, as well as selected Thematic Schools, in particular for doctoral students and has full support and appreciation of the local and national authorities.

The monument is housing a 350-seat auditorium, a conference room and more intimate seminar rooms along with offices for study and research. These spaces showcase spectacular views out over the sea and nearby mountains.

The Centre ICISE hosts between 10 and 12 high level international scientific conferences each year. Covering disciplines in the scope of fundamental or applied science mainly in the field of physics, the program will extend to cover a larger array of scientific disciplines as biology, medicine, social and human sciences. An event related to plasmas thus constitutes an interesting complement which will enrich the already programmed activities.



Partners



ICISE

INTERNATIONAL CENTRE FOR
INTERDISCIPLINARY SCIENCE AND EDUCATION



**INSTITUT
FRANÇAIS**
VIETNAM



Planning

Monday 1st, July

- 8h30 - Welcome to the Summer school on Plasma Physics
- 8h45 - Plasmas Basis and Particle dynamics
- 10h45 - Magnetic Fusion: Basis
- 14h - Hands-on activities: Particle dynamics in E/B fields / Tokamak GOLLEM

Tuesday 2nd, July

- 8h30 - Waves and instabilities in Plasmas
- 10h30 - Cold and Industrial Plasmas: Low pressure plasmas
- 14h - Hands-on activities: Particle dynamics in E/B fields / Tokamak GOLLEM

Wednesday 3rd, July

- 8h30 - Magnetic Fusion: Advanced
- 10h45 - Cold and Industrial Plasmas: High pressure plasmas
- *Afternoon free*
- Evening: Public Conference: "Apollo: a laser for extreme light physics"

Thursday 4th, July

- 8h30 - Introduction to Dusty Plasma in Astrophysics
- 10h45 - Space Plasmas: the Earth and the solar system environment
- 13h30 - Numerical Hands-on - Cold plasmas (Wave-plasma interaction – SMILEI PIC simulation)

Friday 5th July

- 8h30 - Laser driven inertial fusion: Principles, Challenges & Applications
- 10h45 - Dust Dynamics in Astrophysical Plasma and Applications
- 13h30 - Numerical Hands-on - Warm plasmas (Wave-plasma interaction – SMILEI PIC simulation)

Teachers

- P. Savoini, Sorbonne Université / Astrophysics plasmas
- M. Grech, CNRS / Lasers
- R. Guirlet, CEA / Fusion
- T. Dufour, Sorbonne Université / Industry, Society and Cold plasmas
- T. Hoang, UST / Dusty plasmas
- P. Henri, CNRS / Astrophysics plasmas

Application is now closed

PLAS@PAR welcomes worldwide students holding a Bachelor's degree, studying to complete a Master's degree or even a PhD.

Students should hold a degree that may include Physics, Astronomy, Astrophysics (or a certified equivalent amount of learning in the same field, quantified as 3 years of previous studies corresponding to at least 180 credits in the European Credit Transfer System).

As a result of the limited available spots (max. 25 students), the selection will be made based on motivation and CV.

Shortlisting of the students will be undertaken in May 2019.

In order to apply to our Summer School, you will have to send the following required documents:

1. Completed and signed application form
(/images/JSC2019/Vietnam_application_form_2019_V3_21012018.doc).
2. A copy of your ID, or passport.
3. A copy of your student card.
4. A copy of your recent transcript and proof of diploma/degree (translation in English or French is mandatory). (in particularly, your grades from your last year at the university)
5. A certification of good knowledge of the English (not required if english is your mother tongue).
6. Letters of recommendation from one or two referees (in English or French). Recommended but not mandatory

For this school, a good knowledge of general physics, statistical mechanics, electromagnetism, spectroscopy and electrostatic is recommended

spectroscopy and electrostatic is recommended.

At the end of the summerschool a certificate of achievement is given to the student.

**To send your application or ask for more information, please contact: Xavier Fresquet
(mailto:xavier.fresquet@obspm.fr?
subject=Summer%20school%20application%202016%20-%20information)**

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