

STRENGTHENING CAPACITIES OF SOUTH-MEDITERRANEAN HIGHER EDUCATION INSTITUTIONS IN THE FIELD OF SOLAR ENERGY BY ENHANCING LINKS AMONG APPLIED RESEARCH, BUSINESS AND EDUCATION (MEDSOL)

Project Partners



2017-2018 Erasmus+ Student Mobility for Studies/Traineeship Application Announcement

Dear Students,

For 2017-2018 Academic year, the MEDSOL Erasmus+ Project offers the opportunity of Student Mobility for Traineeship/Study. Under the scope of this project, students can obtain financial support for their traineeship/study mobility. Applications for the 2017-2018 Academic Year have been initiated. Here is the calendar for application procedures:

Application Period	5 th of April 2017– 20 th of April 2017
Announcement of the Results	30 th of April 2017
Orientation Meeting	4 th of May 2017
Signature of Mobility Agreement	10 th May 2017
Mobility Period	At least 6 months
Mobility Start	15 th May 2017-30 th September 2017

Main Objective of MEDSOL Project

The overall aim of MEDSOL project is the capacity enhancement of HEI's in the target countries, in the context of modernization, accessibility and internationalization of the Higher Education systems in large. More specifically, this project aims at improving the quality of the master programmes provided by the Partner Country HEIs in the field of renewable energy (and more specifically, solar energy) in order to respond to the true needs of the sector, at the level of industry and scientific research.

Fields of Traineeship/study

For 2017-2018 Academic year, the MEDSOL Erasmus+ Project offers opportunities for Student Mobility for Traineeship/Study for applications from HU registered Master and Ph. D students in the following fields of study. .

Mobility Code	Sending Institution	Hosting Institution	Field of Training/Study
HU-STRA-01	Helwan University	University of Strasbourg, France	Organic solar cells : from synthesis to devices
HU-STRA-02			Organic sensors
HU-STRA-03			Synthesis of materials for coating metals and glasses
HU-STRA-04			Synthesis and characterization of composite MnOx/C materials for high performance energy devices
HU-CENER-01		CENER, Spain	Modelling, testing and analysis of innovative volumetric air solar receiver designs (and, potentially, materials)
HU-CENER-02			Modelling, testing, and analysis of evacuated solar absorber tubes under different vacuum pressures
HU-CENER-03			Development of a concentrated solar flux analysis system with optical cameras
HU-LISBOA-01		University of Lisbon, Portugal	Energy system integration with high penetration of renewables
HU-LISBOA-02			GIS tools for renewable energy resource assessment
HU-LISBOA-03			Methodologies for the optimization of the operation and management (O&M) of PV farms
HU-LISBOA-04			Electroluminescence & thermography characterization of PV modules and PV farms.
HU-UM5R-01		University Mohamed V, Rabat, Morocco	Optimizing the integration of photovoltaic and storage in positive energy buildings
HU-UM5R-02			Elaboration and characterization of thin films for PV
HU-AUI-01		Al Akhawayn University, Ifrane, Morocco	Solar distillation system based on parabolic troughs

Mobility Code	Sending Institution	Hosting Institution	Field of Training/Study
AASTMT-STRA-01	AASTMT	University of Strasbourg, France	Elaboration and characterisation for perovskite base solar cells.
AASTMT-STRA-02			Organic sensors
AASTMT-STRA-03			Modeling of solar cells
AASTMT-LISBOA-01		University of Lisbon, Portugal	Energy system integration with high penetration of renewables
AASTMT-LISBOA-02			Solar potential in Egypt: GIS tools for renewable energy resource assessment
AASTMT-COOP-01		COOPERNICO	Solar energy cooperative business models
AASTMT-COOP-02			Energy efficiency
AASTMT-UM5R-01		University Mohamed V, Rabat, Morocco	Optimizing the integration of photovoltaic and storage in positive energy buildings

Mobility Code	Sending Institution	Hosting Institution	Field of Training/Study
UM5R-STRA-01	UM5R	University of Strasbourg, France	Elaboration and characterisation for transparent conducting oxide for solar cell application
UM5R-STRA-02			ZnSnO thin films oxides for solar cells
UM5R-STRA-03			Organic solar cells : from synthesis to devices
UM5R-LISBOA-01		University of Lisbon, Portugal	Energy system integration with high penetration of renewables: Morocco case study
UM5R-LISBOA-02			photoluminescence characterization of silicon wafers and solar cells
UM5R-LISBOA-03			Soiling in pv plants in arid climates
UM5R-HU-01		Helwan University	Water desalination plant operation, control, and analysis
UM5R-HU-02	Smart grid		

Mobility Code	Sending Institution	Hosting Institution	Field of Training/Study
AUI-STRA-01	AUI	University of Strasbourg, France	Elaboration and characterisation for transparent conducting oxide for solar cell application
AUI-STRA-02			Organic solar cells : from synthesis to devices
AUI-STRA-03			Modeling of solar cells
AUI-LISBOA-01		University of Lisbon, Portugal	Energy system integration with high penetration of renewables: cross border optimization considering future interconnection Portugal-Morocco
AUI-LISBOA-02			Access to energy in rural and peri-urban areas - technical and socioeconomic challenges: Morocco case study
AUI-LISBOA-03			Electricity demand in isolated microgrids
AUI-HU-01		Helwan University - ONERA	Grid integration of renewable energy systems
AUI-HU-02			PV system maintenance and performance

The students who apply have to consider the conditions below. For this reason, we advise the students to read carefully the conditions for application. The applications with a missing document and the applications that are completed outside the application period are not acceptable.

Application Conditions:

1. The students who are going to apply for Erasmus+ Student Mobility must be registered students at the sending institution or university in a master or doctoral education.
2. Students who are interested in benefiting from the Mobility opportunity have to certify their language proficiency as per the rules and acceptance of the sending and hosting university.
3. Student mobility flows in accordance with the provisions set out in the Erasmus+ Programme Guide and the Guidelines for the Special Mobility Strand;

Application Process and Documents:

1. Students have to apply online using the link:
<https://aastmtic2.aast.edu/medsol/Mobility.aspx>
- a. Google Form for basic information:
https://docs.google.com/forms/d/e/1FAIpQLSfGxLr_B6ub54eESggVaEwIs8_WDFGmMrcKQiNdPNvaBjk73Q/viewform?c=0&w=1

- b. Submission system for supplementary documents:
<https://aastmtic3.aast.edu/medsol>
2. Students are required to enclose with their application, in PDF format, the following documents (have to be submitted to <https://aastmtic3.aast.edu/medsol>):
- Application Form:
https://docs.google.com/forms/d/e/1FAIpQLSfGxLr_B6ub54eESggVaEwIs8_WDFGmMrcKQiNdPNvaBJk73Q/viewform?c=0&w=1)
 - Signed and Stamped Transcript of Academic Records.
 - Signed and Stamped Certificate of Registration at the sending university mentioning the level and date of registration.
 - Language Proficiency Document.
 - CV (You need to prepare your CV on the format available on the web page:
<https://europass.cedefop.europa.eu/en/documents/curriculum-vitae>).
 - A motivation letter written in English and, for Academic Exchange Students, the programs of the courses to be attended at the hosting university.
 - A declaration of their mobility tutor or thesis supervisor, stating the kind of activity to be carried out abroad; and the Knowledge, skills and competences to be acquired by the end of the traineeship (expected Learning Outcomes). Number of ECTS credits (or equivalent) to be awarded by the Receiving Institution upon successful completion.
 - Recommendation letter
 - 2 passport photographs
 - Passport Copy
3. Originals of documents shall be claimed from the selected students during the orientation meeting.
4. The Selection Committee reserves the right to contact the candidates for an interview in order to verify the information provided within the application and the English proficiency declared.

Selection:

Assignment of students will be awarded on merit ranking criteria (i.e. average grades, English proficiency, and relevance to the field of study, expected learning outcomes, certificates, and other documents submitted). The ranking will be published on MEDSOL project website at the following link. <https://aastmtic2.aast.edu/medsol/Mobility.aspx>

The list of selected students will be submitted to the sending and hosting institutions for an evaluation of the applications. The hosting institution will make the final admission decision regarding all incoming Exchange Students, via letter of invitation or acceptance letter. Selected students must enrol at the hosting institution following its proper rules and procedures.

Acceptance:

Selected students will have to communicate their formal acceptance of the grant to the responsible person of the receiving institution, no later than 7 days from the date of the publication of the ranking. If such a deadline is not met, they will be excluded from the selection procedure. In case of renouncement of one or more selected students, suitable candidates will be selected and proposed according to the ranking.

Grant Support:

1. The students who are elected to do traineeship in EU Countries will be supported through a monthly grant.
2. The grant allocated to the students through the Erasmus+ Programme is based on a fixed rate in euros for travel and living costs. The grant does not directly include accommodation, transportation, visa and additional expenditure of the student during their traineeship mobility. These should be arranged and paid for directly by the student with the grant allocation and with the help of the hosting institution.
3. The students shall receive their grant on a monthly basis according to the specific procedures set out by each hosting institution. All students must justify their presence at the hosting institution during the previous month in order to claim the grant. The travel costs will be reimbursed to the student with the first monthly payment on production of a copy of the travel tickets.
4. If the student has to return back to the sending institution before the planned end date of the traineeship due to justified reasons outside of his/her control (such as obligation, familial reasons, health problems and natural disaster), the student does not have to reimburse the grant allocated to him/her for the period of mobility abroad actually completed. However, the student must reimburse the grant for the days he/she does not actually stay abroad.
5. If the student returns back to the sending institution before the planned end period for his/her traineeship, (without justification), the amount of grant allocated to the student must be reimbursed.
6. If the student does not fulfill their responsibilities after the mobility (such as not completing their courses or not taking exams) the students must reimburse the grant paid to them.
7. The fixed rate amount of monthly grant to be allocated is indicated below:

Sending Country	Hosting Country	Travel Costs (Euros)	Subsistence Costs (Euros) for 6 Months Period
Egypt	France	360	5100
Egypt	Spain	530	4800
Egypt	Portugal	530	4800
Egypt	Morocco	530	4500
Morocco	France	360	5100
Morocco	Spain	275	4800
Morocco	Portugal	275	4800
Morocco	Egypt	530	4500

Other Provisions:

1. Before departure, selected students must submit a Learning Agreement to the Degree Course Teachers' Council for approval.
2. Upon arrival at the hosting Institution, exchange students must ask to the International Office the issue of an arrival certificate. At the end of the mobility period, students must ask for a departure certificate (stating the duration of the mobility), the Transcript of Records and any other relevant documentation to present once back to the sending Institution.
3. Once back at the sending institution, exchange students must submit to the International Relations Office the following documents:
 - The above mentioned original certificates issued by the hosting institution, stating the dates of beginning and end of the mobility period;
 - Original hard copies of flight tickets (and boarding passes), passport copies indicating date of arrival.
4. In addition, exchange students must submit to their Department at the sending institution a declaration of their tutor or supervisor, stating the activities carried out abroad, as well as any other document released by the hosting University (such as Attendance Certificate or Transcript of Records).
5. Any academic credit earned at the hosting institution, where applicable, will be transferred back to the sending institution after the completion of the mobility. Exchange Students must consult the Professors at the Degree Course Teachers' Council for the registration of exams held abroad, submitting the relevant documentation, as well as a brief report of the activities carried out.
6. With regards to the health care, Exchange Students are individually responsible for their insurance coverage.