

8:30 - 10:15

| SUNDAY                                                                                                                                        | MONDAY                                                                                             | TUESDAY                                                                                                                                                    | WEDNESDAY                                                                                                                       | THURSDAY                                                                                                                     | FRIDAY                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>Inauguration</b><br><b>Plenary 1:</b><br><b>Renewable Energy</b><br>Pr. Luis FROLEN RIBEIRO (IPB)                                          | <b>Course 3:</b><br><b>Renewable Energy - Resource evaluation</b><br>Pr. Luis FROLEN RIBEIRO (IPB) | <b>Course 5:</b><br><b>Distributed generation</b><br>Pr. Antonio MASDOLAS University of A Coruña                                                           | <b>Course 7:</b><br><b>Control systems</b><br>Pr. José LIMA (IPB)                                                               | <b>Course 9:</b><br><b>Optimization Advanced methods 2</b><br>Pr. Brahim CHERKI University of Tlemcen                        | <b>Visit of</b><br><b>Tlemcen</b><br><b>city</b> |
| 10:30 - 12:15                                                                                                                                 |                                                                                                    |                                                                                                                                                            |                                                                                                                                 |                                                                                                                              |                                                  |
| <b>Plenary 2:</b><br><b>Energy Efficiency</b><br>Pr. Luis FROLEN RIBEIRO (IPB)                                                                | <b>Course 4:</b><br><b>Power converter</b><br>Pr. José LIMA (IPB)                                  | <b>Course 6:</b><br><b>State of the art on <math>\mu C</math> / DSC for Motor control and Internet of Things</b><br>Pr. Luis BAGHLLI University of Tlemcen | <b>Course 8:</b><br><b>Smart networks modeling and fault detection</b><br>Pr. Antonio MASDOLAS University of A Coruña           | <b>Course 10:</b><br><b>Applications of high intensity electric field</b><br>Pr. Amar TILMATINE University of Sidi Bel Abbès |                                                  |
| 14:30 - 17:30                                                                                                                                 |                                                                                                    |                                                                                                                                                            |                                                                                                                                 |                                                                                                                              |                                                  |
| LUNCH                                                                                                                                         |                                                                                                    |                                                                                                                                                            |                                                                                                                                 |                                                                                                                              |                                                  |
| <b>Course 1:</b><br><b>Supervision of Multi -Sources Energy and Green Hydrogen storage</b><br>Pr. Belkacem OULD BOUMAMMA Polytechnic of Lille | <b>Workshop 1:</b><br><b>Power converter</b><br>Pr. José LIMA (IPB)                                | <b>Workshop 2:</b><br><b>Implementation IOT with a WEMOS ESP8266 and MEMS sensors</b><br>Pr. Lotfi BAGHLLI University of Tlemcen                           | <b>Workshop 3:</b><br><b>Modeling, intelligent control and anomaly detection</b><br>Pr. Antonio MASDOLAS University of A Coruña | <b>Workshop 4:</b><br><b>Electrostatics and their application</b><br>Pr. Amar TILMATINE University of Sidi Bel Abbès         |                                                  |
| <b>Course 2:</b><br><b>Optimization Advanced methods 1</b><br>Pr. Brahim CHERKI University of Tlemcen                                         |                                                                                                    |                                                                                                                                                            |                                                                                                                                 |                                                                                                                              |                                                  |



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*Director of the ESSAT School*

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Dr. Fouad BOUKLI HACENE

Pr. Lotfi MERAD

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# First International School on Renewable Energies and Energy Efficiency

**From 3rd to 7th  
November 2019  
Tlemcen, ALGERIA**



## DESCRIPTION AND CONTENT

From 3rd to 7th November 2019, a school on fundamental advances in fields of renewable energies and energy efficiency will be held at the ESSAT (High School of Applied Sciences of Tlemcen). This School will be organized in cooperation with the IPB (Polytechnic Institute of Bragança, Portugal) and University of Tlemcen. This event is an opportunity for the ESSAT students to interact with world-renowned researchers in an intensive week of seminars, courses and workshops. In addition, the academic environment will also provide the opportunity for ESSAT students as well as researchers to enhance their scientific knowledge in these fields.

The scientific engineering program focuses on solar energy, wind energy, distributed generation modeling and supervision, smart network as well as power converters, advance control and optimization related to renewable energies and grids.

This international School will contain lectures, presentations, seminars / applications, hand on training, visit of engineers' projects realized by ESSAT students

### VENUE

ESSAT, High School of Applied Sciences, Tlemcen, Algeria

## TARGET GROUP

Technicians, students, academic scholars, as well as investors and educators in the field of renewable energies who wish to obtain a comprehensive advances in fields of renewable energies.

## KEYNOTE SPEAKERS

Prof Luis FROLEN RIBEIRO,  
*IPB of Portugal*

Prof Antonio MASDIAS,  
*University of A Coruña, Spain*

Prof José LIMA,  
*IPB of Portugal*

Prof Belkacem OULD BOUAMAMA,  
*Polytechnic school of Lille-France*

Prof Nouredine TIMALTINE,  
*University of Sidi Bel Abbes, Algeria*

Prof Lotfi BAGHLI,  
*University of Tlemcen-Algeria*

Prof Brahim CHERKI,  
*University of Tlemcen-Algeria*

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*University of Tlemcen, Algeria*

Prof Luis FROLEN RIBEIRO,  
*IPB of Portugal*

Prof Antonio MASDIAS,  
*University of A Coruña, Spain*

Prof José LIMA,  
*IPB of Portugal*

Prof Belkacem OULD BOUAMAMA,  
*Polytechnic school of Lille, France*

Prof Abdelattif MEGNOUNIF,  
*University of Tlemcen, Algeria*

Prof Zaki SARI,  
*University of Tlemcen, Algeria*

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*ESSA of Tlemcen, Algeria*

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Dr Mohamed MEBROUKI

Dr Sidi Mohamed KHEFIF

Mr ZERIAB BENSENANE, Student, ESSA of Tlemcen

## PARTNERS



UNIVERSIDADE DA CORUÑA



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## TECHNICAL LANGUAGES

English