



The Abdus Salam
**International Centre
for Theoretical Physics**



SCHOOL ON THEORY AND IMPLEMENTATION

OF ELECTRONIC STRUCTURE METHODS

AUGUST 27 - 31 , 2018 DSCHANG, CAMEROON

The University of Dschang, with the financial support of The Abdus Salam International Centre for Theoretical Physics (ICTP), Italy, is organizing a School on 'theory and implementation of electronic structure methods' to be held from August 27 to 31, 2018 in Dschang, Cameroon

OBJECTIVES

The goal of this school is to present the theory and implementation of electronic structure methods as a powerful tool to address challenging problems in physics, chemistry and material science. With the increasing power and affordability of computers, computational material design will be shown as a valuable alternative to circumvent the high costs of experimental equipments, which in most of the cases is not affordable in developing countries like Cameroon. The scientific program will cover different approaches of electronic structure methods with a focus on density functional theory, together with lectures on Feynmann path integration techniques

PARTICIPATION

Scientists and students from countries members of the United Nations, UNESCO or IAEA, may attend the School subject to approval by the activity Directors. The School is intended for early career scientists and advanced Ph.D students from central africa. The classes will be conducted in English. Participants should have an adequate working knowledge of that language. There is no registration fees and limited travel support and accomodation are available for foreign participants.

DIRECTORS

Stephane Kenmoe ,
University of Duisburg-
Essen, Germany

Lukong Cornelius Fai,
University of Dschang,
Cameroon

INVITED LECTURERS

Ralph Gebauer,
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Nicola Seriani,
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APPLICATIONS

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DEADLINE

JUNE 30, 2018