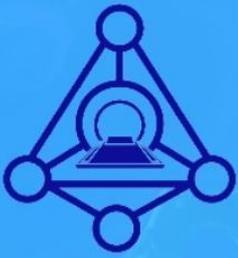


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Abstracts of

1st International Conference on Computational & Applied Physics

ICCAPH'2021

Editor: **BOUAMRA Faiza**

Organized by:

**Surfaces, Interfaces and Thin Films Laboratory (LASICOM),
Department of Physics, Faculty of Science,
University Saad Dahleb Bida 1, Algeria**

26–28 September 2021



2022

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BOUAMRA Faiza
(Editor)

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Computational & Applied Physics

ICCAP'2021 (26th –28th September 2021)

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26th –28th September 2021

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ICCAP'2021

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ICCAP'2021

About the Conference

The 1st International Conference on Computational & Applied Physics, ICCAP'2021, was organized on 26th to 28th September 2021. The Conference has been organized by Surfaces, Interfaces and Thin Films Laboratory (LASICOM), of Physics Department, Sciences Faculty of Borda University of Algeria. The Conference have variety of Plenary Lectures, Oral Session and E-Poster Presentations.

The conference has several goals at the same time such as:

- provides opportunities for the delegates to exchange new ideas and application experiences to establish relations and collaboration with world-Renowned speakers.
- The conference provides also a platform to discuss and an open meeting with world-Renowned speakers in all areas of Physics and their Applications
- Gathering Algerian and foreign scientists and researchers and offer them the opportunity to exchange information, update knowledge in different areas of research and discuss the orientations of scientific research from the international community
- Involve doctorates & students of master and present them the interest of the fields of materials physics and its applications
- Present the main novelties in the field of computational and applied physics.
- Establish collaborations with foreign specialist laboratories in the field of computational and applied physics.

For this, four topics of different domain of physics are presented:

Topic 01: Quantum Simulation of Physical Properties of low dimension and Periodic Systems.

Topic 02: First-Principals Modeling of Excited-State and response Phenomena in Materials.

Topic 03: Exotic Phenomena in Magnetism and Electronic Transport.

Topic 04: Synthesis and Characterization of Materials.

ICCAP'2021

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