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Abstracts of

1st International Conference on Computational & Applied Physics

ICCAP'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

ICCAP'2021

BOUAMRA Faiza
(Editor)

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Algeria

Published by

AIJR Publisher, Dhaurahra, Balrampur, India 271604



Abstracts of 1st International Conference on Computational & Applied Physics (ICCAP'2021)
26th –28th September 2021

Editor

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BP270 Route de Soumaa - Blida

Conference Organizers

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

Conference Venue

Online (Virtual)

ISBN: 978-81-954993-3-5

DOI: <https://doi.org/10.21467/abstracts.122>

Type

Abstract Book

Series

AIJR Abstracts

Published

08 March 2022

Number of Pages

206

Copyeditors

- Ritika Dubey
- Praneeta

Imprint

AIJR Books

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Published by



AIJR Publisher, Dhaurahra, Balrampur, India 271604

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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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Acknowledgement

First,

The organizers would like to thank all participants to the ICCAP'2021 and invited speakers for agreeing to take part in this conference;

- 1- Prof. Roberto Dovesi, Theoretical Chemistry Group, Chemistry Department, University of Turin, Italy
- 2- Prof. Michel Rérat, E2S UPPA, CNRS, IPREM Université de Pau et des Pays de l'Adour, France.
- 3- Prof. Robert Honsan, St. Olaf College, Northfield, USA
- 4- Prof. Silvia Maria Casassa, Theoretical Chemistry Group, Chemistry Department, University of Turin, Italy
- 5- Prof. Anna Maria Ferrari, Torino, Italy
- 6- Prof. Nadjib Baadji, University of M'sila, Algeria.
- 7- Prof. Andrea Savin, Sorbonne, France
- 8- Prof. Frederic Labat, ENS-Paris
- 9- Dr. Maddalina D'Amore, Theoretical Chemistry Group, Chemistry Department, University of Turin, Italy
- 10- Prof. Bennacer Badis, University of Guelma, Algeria
- 11- Prof. Jana Kalbáčová Vejpravová, Heyrovský Institute of Physical Chemistry, Czech Republic
- 12- Prof. Rudolf Schaefer, Institute of Solid State and Materials research, Dresden, Germany
- 13- Prof. Martin Kalbáč, Heyrovský Institute of Physical Chemistry, Czech Republic,
- 14- Prof. Bachir Bouhafis, University of Sidi Bel Abbes, Algeria

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As Diamond sponsors we have:

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ISBN 978-81-954993-3-5



9 788195 499335