



The 2018 International Conference

on Research and Learning of Physics



IOP Conference Series
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in conjunction with **SEMINAR NASIONAL RISET DAN PEMBELAJARAN FISIKA V**

ICRLP 2018 & SNRPF V

Theme
Innovative Research and Creative Learning of
Physics for Improving a Competitive and Dignified Nation



August 9-10, 2018

KEYNOTE SPEAKER



Prof. Kohji Nakamura
Mie University, Japan



Prof. Dr. W.G.A. Kadir, M.S.
ITB Bandung, Indonesia



Prof. Andriwo Rusydi
NUS, Singapore



Assoc. Prof.
Nurulhuda Abd Rahman
Universiti Pendidikan Sultan Idris,
Malaysia

INVITED SPEAKER



Prof. Dr. Rosly Jaafar
Universiti Pendidikan Sultan Idris,
Malaysia



Asst. Prof.
Caroline Bouvet De la
Maisonneuve, Ph.D.
Nanyang Technological
University,
Singapore



Yohandri, Ph.D.
Universitas Negeri Padang,
Indonesia



INTRODUCTION

Today, the quality of university graduates in Indonesia is still low meanwhile the university also acts as the guardian of national identity. Therefore, a continuous effort is needed in improving the quality of graduates which will ultimately enhance the competitiveness and identity of the nation. Department of Physics, Postgraduate of Physics Education and Postgraduate of Physics, Faculty of Mathematics and Natural Science, Universitas Negeri Padang, Indonesia in collaboration with Department of Physics, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris (UPS) Malaysia respond to this problem by hosting the 2018 International Conference on Research and Learning of Physics (ICRLP 2018) in conjunction with "Seminar Nasional Riset dan Pembelajaran Fisika V (SNRPF V)". This conference is expected to become a forum to discuss strategic issues in related fields. The two-day conference is expected to build cooperation between academics, researchers and institutions at both national and international levels.

IMPORTANT DATES

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| 1. Open Early Registration | : March 01, 2018 |
| 2. Abstract Paper Submission Deadline | : May 20, 2018 |
| 3. Notification of Abstract Acceptance | : June 01, 2018 |
| 4. Full Paper Submission Deadline | : June 30, 2018 |
| 5. Notification of Papers Accepted For Publication | : July 10, 2018 |
| 6. Registration and Payment Deadline | : July 15, 2018 |
| 7. Conference | : August 9-10, 2018 |

FUND

Direktorat Pengelolaan Kekayaan Intelektual
Direktorat Jendral Penguatan Riset dan Pengembangan
Kementerian Riset, Teknologi, dan Pendidikan Tinggi 2018

TOPICS: PHYSICS

1. Geophysics
2. Materials Physics
3. Biophysics and Medical Physics
4. Instrumentation Physics and Electronics
5. Computational Physics, Theoretical Physics, Experimental Physics and Applied Physics.
6. Nuclear Physics and Particle Physics
7. Photonics, Nanomaterial and Nanotechnology
8. Ocean Physics, Climate Physics, Atmospheric Physics and Astrophysics
9. The Physics of Natural Disasters and Environmental Physics
10. and related topics

TOPICS: LEARNING OF PHYSICS

1. Learning Outcome of Physics
2. Learning Materials of Physics
3. Learning and Teaching Theories and Models of Physics
4. Learning and Teaching Strategies and Methods of Physics
5. Learning Assessment and Evaluation of Physics
6. The Use of ICT and Media in Learning of Physics
7. Learning Management of Physics
8. Research and Development in Learning of Physics
9. Experimental methods in Learning of Physics
10. Action Research of Learning of Physics
11. Learning and Teaching Natural Sciences and Mathematics
12. and related topics

VENUE

Auditorium Universitas Negeri Padang, Padang, Indonesia

REGISTRATION FEE

Categories	: Local	: International
1. Professional	: IDR 2.000.000	: US\$ 175
2. Student	: IDR 1.200.000	: US\$ 105
3. Non-Presenter	: IDR 350.000	: US\$ 30

Conference payments made before June 15, 2018 will get a discount of 25% of the normal price. The fee does not include the publication fee for journals or proceedings indexed by Scopus

PAYMENT

Bank Name : Bank Negara Indonesia 1946 (BNI 46)
Account Number : 0668110902
Account Name : RPL 010 BLU UNP untuk DKE

INTERNATIONAL SCIENTIFIC COMMITTEE

1. Prof. Dr. Suriani Abu Bakar (Universiti Pendidikan Sultan Idris, Malaysia)
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9. Yohandri, Ph.D (Universitas Negeri Padang, Indonesia)
10. Dr. Ramli, M.Si (Universitas Negeri Padang, Indonesia)

COLLABORATION

Physical Society of Indonesia (PSI) and Indonesian Association of Geophysicists (HAGI)

CALL FOR PAPERS

We invite colleagues, academics, researchers, professionals, practitioners, observers, teachers, and students to submit research results in physics and learning of physics to ICRLP 2018. The papers include Title and Abstract, Keywords, Author 1, Author 2, more Author, First name, Last name, Country, Organization or Affiliation, Web pages and Corresponding Author

PUBLICATION

The publication team will select every incoming article. Papers that are eligible to be published to a reputable International Journal or accredited National Journal or the Journal of Physics: Conference Series are selected by the editorial team. Papers that are not above criteria will be published in a separate proceeding

International Journal Indexed by Scopus

1. Applied Composite Materials
2. Canadian Journal of Science, Mathematics and Technology Education
3. Dedicated to the advancement of sustainable fisheries management
4. Eurasia Journal of Mathematics, Science and Technology Education
5. Geosciences
6. International Journal of Environmental and Science Education
7. Journal Luminescence
8. Journal of Chemical Science
9. Journal of Electromagnetic Waves and Applications
10. Journal of Turkish Science Education
11. Physical Review Physics Education Research
12. Pertanika Journal of Social Sciences & Humanities
13. And others.

Proceeding

1. Journal of Physics: Conference Series Indexed by Scopus
2. Proceeding ICRLP 2018 has ISBN
3. Prosiding SNRPF V has ISBN

Accredited National Journal

1. MAKARA Journal of Science
2. EDUSAINS

AWARDS

The best papers will receive an award in forms of certificate and prize

ORGANIZED BY

Department of Physics, Postgraduate of Physics Education, Postgraduate of Physics, Faculty of Mathematics and Natural Science, Universitas Negeri Padang, Indonesia in collaboration with Department of Physics, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris, Malaysia

STEERING COMMITTEE

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Prof. Dr. Lufri, M.S (Chair, Dean of FMNS UNP)
Prof. Madya Dr. Zulkifley Mohamed (Members)
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Dr. Izan Roshawaty (Members)

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