

National Competition for Innovations in Computational Physics (NCICP – 2019)

NCICP 2019 will be held at Prayagraj, Uttar Pradesh in Oct 2019 IAPT CONVENTION

This competition is open to teachers at all levels School level, UG, PG level. The participant can be even an M.Phil. / Ph.D. awarded / pursuing student or a scientist from regional / national laboratory or a science community working in science centers, etc. He / She need not be an IAPT member. Nowadays Computers play a big role in "Teaching Learning Process" and they are used for carrying out virtual experiments, simulations, analysis of experimental results, acquisition of data, etc. Computers also find applications in numerical computations, data analysis, solving complex numerical problems in Physics, iterative calculations and so on. A physics teacher can use graphical presentations (like evolution of cyclone with time and such phenomena) for enhancing the understanding of the subject as well as improving imagination skills of the students. IAPT therefore provides a platform to the physics teachers to show their innovative skills in computational physics and development of experiments by conducting such type of competitions at National level. INNOVATION is the main theme.

The following kinds of experiments are included in the competition:

1. Computational Mathematical modeling type purely software based.
2. Sensors /Actuators interfaced with Microprocessors /PC
3. ANDROID/AUDRINO/PID/PIC based experiments /applications.

The presentation / work should be an original one developed by the participant himself / herself. It can even be a demonstration. Invited entries for demonstration will be paid travelling expenses for coming to convention venue Allahabad – Prayag, as per IAPT rules. In case of joint authors only one participant will be eligible to receive TA from IAPT. The selected participant has to come with his setup of experiment for final evaluation on at Prayagraj and also the demonstration.

Best three presentations will be given cash awards of Rs. 5000/- , Rs. 3000/- & Rs. 2000/- and a certificate.

The experiments should be sent only by email as an attachment at pdlele@hotmail.com in the following way:

There should be only pdf files attached to the email.

First file must be named: bio data. It should contain: 1. Title of presentation, 2. Name(s) of all participants, 3. Institutional affiliation of each participant, 4. Address for correspondence, 5. Mobile Number (s), 6. All the authors must sign the following declaration "The proposed work is original, designed and developed by the participant(s) and not published / submitted elsewhere."

Second file must be named: Experiment. It should contain detailed write up of their papers (along with the program). Detailed theory with diagrams, procedure, observations, calculations, graphs, results and references. There is no limit of number of pages. The participant should write his/her name, name of the institution etc. in the last of this file. Please mention the innovation you have incorporated and its importance in teaching physics as a tool.

Please use Times Roman font size 12, spacing 1.5 and margins should be appropriate.

For any query you can contact at

DECISION OF THE JUDGES WILL BE FINAL.

The abstracts of selected experiments will be published in IAPT Bulletin after the Annual convention. ISSN No. of Bulletin is 2277-8950

Last date for entries to reach is 31st July 2019. You cooperation to abide by the last date will be highly appreciated.

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