



**1ST International e-Conference on
Recent Advances in Physics & Materials Science-2020
(IC-RAPMS-2020)**

July 9 - 10, 2020 (10:00 AM- 02.00 PM, IST)

Organized by

Kurseong College, Darjeeling, West Bengal, India-734203

In collaboration with

St. Joseph's College, Darjeeling, West Bengal, India-734104

Technical partner

Condensed Matter Physics Research Center, Butwal, Nepal-11

**Program Schedule (in IST)
Technical Session**

Date: 9 th July, 2020	Date: 10 th July, 2020
10:40 AM: Prof. V. Madhurima Droplets: Properties and Relevance to COVID -19	10:00 AM: Prof. Indrajit Sharma Density Functional Theory: electronic structure calculation
11:10 AM: Dr. M.P. Ghimire Creating Weyl nodes by Magnetization Rotation in Kagome Metal $\text{Co}_3\text{Sn}_2\text{S}_2$	10:30 AM: Dr. Debasish Das Neutrinos at the crossroads of particle physics, astrophysics and cosmology
11:40 AM: Dr. P. K. Das Minerals behavior under extreme conditions: A DFT approach	11:00 AM: Dr. Anand Pariyar Metal organic framework as functional materials
12:10 PM: Dr. D.P. Rai Thermoelectric properties of Heusler alloys	11:30 AM: Oral Presentations (Parallel session)
12:40 PM: Oral Presentations (Parallel session)	12:00 – 12:15 PM: Short break
Break	12:15 PM: Dr. Pratap Reddy In vivo imaging in nanoparticles based drug delivery to target tumor- an advanced and accelerating biomedical imaging method
7:00 PM: Dr. D. Gupta Charged particle collisions and its implications to atomic and molecular systems	12:45 PM: Dr. D. D. Purkayastha Thin Films and Nanostructures for Self-cleaning Applications
7:30 PM: Prof. Paulose Paulose (Keynote) Cosmic Evolution and Particle Dynamics	1:15 PM: Prof. Y Al-Douri Quantum dots: Theoretical studies
8:00 PM: Dr. Arles V. Gil Rebaza The GIPAW approach for the study of local structures and the electric field gradients at Cd and Ta impurity sites. Application to doped yttria ceramics	1:45 PM: Valedictory session
8:30 PM: Dr. P. Pradhan Astrophysics, neutron stars and animals. Wait, what?	