

CONFERENCE PROGRAM SCHEDULE

XIII Biennial National Conference of Physics Academy of North East (PANE-2022)

Day 01 (08.11.2022, Tuesday)

- † **Registration:**
8.30-9.30 AM
- † **Inauguration function:**
9:30-10:15 AM
- † **Hi Tea: 10.15-10.30 AM**
- † **Keynote Address:**
10.30-11.00 AM

Prof. Biswarup Mukhopadhyaya

(IISER Kolkata)

Professor

FNASc, Shanti Swarup Bhatnagar Awardee for Science and Technology

† **Technical Session 1A (11.00 AM-1.00 PM)**

Condensed Matter Physics & Material Science (CMPMS)

Chairman: Prof. Neeraj Khare

Plenary speaker: Prof. Tanusri Saha Dasgupta

(11.00-11.30 AM)

Invited Lecture: (11.30 AM- 1.00 PM)

1. Prof. Shyama Rath (Delhi University) (11.30-11.50 AM)
2. Prof. Pabitra Nath (Tezpur University) (11.50-12.10 PM)
3. Prof. Sh.Dorendrajit Singh (MU)

† **Technical Session 1B (11.00 AM-1.00 PM)**

Astrophysics, Cosmology and Nuclear Physics (ACN)

Chairman: Prof. K. Yugindro Singh

Plenary Speaker: Prof. Md. Sami (11.00-11.30 AM)

Invited Lecture: (11.30 AM-1.00 PM)

1. Prof. Buddhadeb Bhattacharjee (Gau Univ) (11.30-11.50 AM)
2. Prof. J.J. Das (Cotton University) (11.50-12.10 PM)
3. Prof. Ashoke K.Sen(Assam Univ) (12.10-12.30 PM)
4. Prof. Ch. Pravabati (IIA, Bangalore)

† **Technical Session 1C (11.00 AM-1.00 PM)**

Interdisciplinary Research and Atmospheric Physics

Chairman: Prof.Syed A.Hussain

Plenary speaker: Prof. Dongfeng Xue (11.00-11.30 AM)

Invited Lecture

1. Prof. Kalyan Bhuyan (Dibrugarh Univ) (11.50-12.10 PM)
2. Prof. R.C. Tiwari (Mizoram Univ) (12.10-12.30 PM)
3. Prof. Anrup Gohain Barua (GHY) (11.30-11.50 AM)
4. Dr. Ranjan Changmai (DHSK)

<p>(12.10-12.30 PM) 4. Prof.Perumal Alagarsamy (IITG) (12.30-12.50 PM)</p>	<p>(12.30-12.50 PM) 5. Dr.N. Madhavan, (IUAC, Delhi) (12.50-1.10 PM)</p>	<p>(12.30-12.50 PM)</p>
<p>LUNCH BREAK (1.00PM-2.00PM)</p>		
<p><u>† Technical Session 2A (Afternoon session)</u></p> <p>(2.00 PM-4.30 PM) Condensed Matter Physics & Material Science (CMPMS) Chairman: Prof. P.Nath Co-chair: Dr. N. Nomita Devi</p> <p>Oral Presentation: (2.00 PM-4.30 PM)</p> <ol style="list-style-type: none"> 1. L. Herojit (Offline) 2. A. Deepak Sharma (Offline) 3. E. Churchill Singh (Offline) 4. Sh. Anju Devi (Offline) 5. S. Anil Kumar (Offline) 6. L.C. Sonia (Offline) 7. Rituparna Hazarika (Offline) 8. W. Joychandra Singh (Offline) 9. Sonia Nambram (Offline) 10. B. Romesh Sharma (Offline) 11. Ibnul Farid (Offline) 12. E. Chitra Devi (Offline) 	<p><u>† Technical Session 2B (Afternoon session)</u></p> <p>(2.00 PM-4.30 PM) Astrophysics and Cosmology (AC) Chairman: Prof.Buddhadeb Bhattacharjee Co-chair: Dr.A.Senorita Devi Invited talk: Dr. Sanjit Heisnam Singh (RGU) (2.00-2.20 PM)</p> <p>Oral Presentation: (2.20 PM-4.30 PM)</p> <ol style="list-style-type: none"> 1. S. Gayatri Devi (Offline) 2. Tame Achi (Offline) 3. S. Rita Devi (Offline) 4. Sunita Kh (Offline) 5. Sabina Yeasmin (Offline) 6. Th. Punshilembi (Offline) 7. Olag Pratim Bordoloi (Offline) 8. Gargi Sen (Offline) 9. Th. Sanatombi (Offline) 10. Tanay Ghosh (Offline) 11.Sagar Sing Goyary (Offline) 12. Anshuman Baruah (Offline) 	<p><u>† Technical Session 2C (Afternoon session)</u></p> <p>(2.00 PM-4.30 PM) Interdisciplinary Research and Atmospheric Physics Parallel Technical Session 5B (Online/Offline) Chair: Co-Chair:Dr. L. Herojit Singh</p> <p>Oral Presentation: (2.00 PM-4.30 PM)</p> <ol style="list-style-type: none"> 1. Nidhi Awasthi (Offline) 2. H. Nungshibabu (Offline) 3. Nihar Jyoti Das (Offline) 4. Abhay Bhattarai (Offline) 5. Ankush Medhi (Online) 6. Jhuma Biswas (Online) 7. Parmindder Kaur (Online) 8. Tani Chekke (Online) 9. Sanu Sarkar (online) 10. Manasi Gogoi (Offline)
<p>POSTER SESSION: (11.00-4.30PM)</p>		
<p>Cultural Program: 6-9 PM (Cultural Programme + Dinner)</p>		

Day 02 (09.11.2022, Wednesday)

<p>Technical Session 3A (9.00 AM-10.30 AM) Condensed Matter Physics & Material Science (CMPMS) Chairman: Prof. Sh. Dorendrajit Singh</p> <p>Plenary Speaker: Prof. Neeraj Khare (IIT Delhi) (9.00-9.30 AM)</p> <p>Invited Lecture:</p> <ol style="list-style-type: none"> 1. Prof. Syed Arsad Hussain (Tripura Univ) (9.30-9.50 AM) 2. Dr. Bibhu Prasad Swain (NIT Manipur) (9.50-10.10 PM) 3. Prof. Subroto Mukherjee (IISc) (10.10-10.30 AM) 	<p>Technical Session 3B (9.00 AM-10.30 AM) Atomic, Molecular Physics and Spectroscopy Chairman: Prof. Anrup Gohain Barua Plenary Speaker: Prof. Bhanu Pratap Das (9.00-9.30 AM)</p> <p>Invited Lecture</p> <ol style="list-style-type: none"> 1. Prof. Ranjan Kumar Singh (BHU) (9.30-9.50 AM) 2. Prof. Ashwini Kumar Singh (IITG) (9.50-10.10 AM) 3. Dr. S.Ranjita Chanu (IITK) (10.10-10.30 AM) 	<p>Technical Session 3C (9.00 AM-10.30 AM) High Energy Physics Chairman: Prof.B. Mukhopadhyaya Prof A Surjalal Sharma: A brief about RIST (9.00-9.20 AM)</p> <p>Invited Lecture</p> <ol style="list-style-type: none"> 1. Prof. M. K. Das (Tezpur Univ) (9.20-9.40 AM) 2. Prof. Bipul Bhuyan (IITG) (9.40-10.00 AM) 4. Prof. Rukmani Mohanta (Hyderabad Univ) (10.00-10.20 AM)
<p>Parallel Technical Session 3A (Online) (10.30 AM-1.00 PM) Chairman: Prof. Sumitra Ph. Co-chair: Dr. Bibhu Prasad Swain</p> <p>Oral Presentations:</p> <ol style="list-style-type: none"> 1. Sonica P. (offline) 2. L. Paris Chanu (offline) 3. Nikhil P. (offline) 4. Th. Premkumar Meitei (offline) 5. Th. Daina (offline) 6. Dr. Superna Bh. (online) 7. Pranjali Nath (online) 8. Paragjyoti Chutia (online) 9. S. Dhiren Meitei (online) 	<p>Parallel Technical Session 3B(Online) (10.30AM-12.30 AM) Chairman: Prof. Dilip Angom Co-Chair: Dr. Ranjan Changmai</p> <p>Oral Presentations:</p> <ol style="list-style-type: none"> 1. Jyotshna Saikai (Offline) 2. Swarnadeep Biswas (Offline) 3. Chiging Sonia (Offline) 4. Th. Basanta Singh (Offline) 5. Dimishree Neog (Offline) 6. Jackson Pame(Offline) 7. Bipradip Ch. (Offline) 8. Manisha Phukan (online) 9. Neelam chetry (online) 10. Mahananda Baro (online) 	<p>Parallel Technical Session 3C (Online/Offline) (10.30 AM-12.30 PM) Chair: Prof. J.J Das Co-chair: Prof. MK Das</p> <p>Oral Presentations</p> <ol style="list-style-type: none"> 1. Paramita Deka (Offline) 2. Jotin Gogoi(Offline) 3. Chandan Durah (Offline) 4. Ankita Kakoti (Offline) 5. N. Kisan Singh (Offline) 6. Y. Monitor Singh (Offline) 7. Kh. Helensana Devi (Offline) 8. M. Ricky Devi (Offline) 9. Victoria Puyam (Offline) 10. Ph. Wilina (Offline) 11. Nilavjyoti Hazarika (Offline)

10. Th.Nando Singh(online) 11. Y. Rangeela Devi(online) 12. Daina Thongjaomayum (online)	11. PK Shukla (online) 12. Purba Jyoti Bhagowati (online)	12. Ranjan Saikia (online)
Lunch break: 12.30-1.30 PM		
Local Sight Seeing (after lunch)		

Day 03 (10.11.2022, Thursday)

Technical Session 4A (9.30 AM-12.00 PM)

Communication and Instrumentation

Chairman: Prof. H. Basantakumar Sharma

Co-Chair: Dr.Th.Gomti Devi

Oral Presentations

1. JP Roy Choudhury (offline)
2. Gauri Sankar Das (offline)
3. Kaustubh Bh (offline)
4. Jayashri Narzary (online)
5. Sadaf Fatma (online)
6. HC Medhi (online)
7. Sujit Chatterjee(online)

CMP & MS

8. Dr. Purabi Gogoi (online)
9. Dr. Ragini Tripathi (online)
10. Alok Kumar Das(online)
11. Rituraj Mahanta (online)
12. Satyananda Ch (online)
13. Hritinava Banik (Offline)

Parallel Technical Session 4B (Online)

(9.30-12.00 PM)

(a)Astrophysics, Cosmology and Nuclear Physics (ACN) &

(b) High Energy Physics

Chairman: **Dr. Subrata Hazarika**

Co-chair: **Dr. N. Chandrachani Devi**

Oral Presentations:

(a) Astrophysics, Cosmology & Nuclear Physics

1. Dr. Biplob Sarkar (online)
2. Dr. Mousumi Bhuyan (online)
3. Archana Bora (online)
4. Lakhyajit Sarma (online)
5. Darpan Bh. (online)
6. Chayanika Rabha(online)

(b) High Energy Physics

7. Dr. Rupam Kalita(online)
8. Indrajit Saha (online)
9. Zannatun Firdowzy Dey(online)
10. Simran Arora (online)
11. Dr. Priyanka Kumar (online) ,

Lunch Break (1.00-2.00 PM)

Valedictory Session

3.30pm-4:30pm