List of key-note Speakers / Resource Persons:

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| --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name & Designation** | **Research / Expertise Area** | **Affiliated Department and Institute**  **(with full address)** | **Email Id (Official)** | **Contact No (Office & Mobile)** | **Status of Availability (Confirmed/Awaited)** |
| **1.** | Dr. Arun Kumar Upadhyay  Senior Principal Scientists | Upper Atmospheric Physics, Space weather, Space Climate, Planetary Ionosphere,  Coupling of atmospheres | National Physical Laboratory  New Delhi | upadhayayaak@nplindia.org | 01145608241 | Confirmed |
| **2.** | Prof. Gopi K. Seemala | Study of ionospheric dynamics, density variations and irregularities using various ground based and satellite borne instruments; Lithosphere-Ionosphere coupling; Space Weather effects, applications to GNSS aided navigation (SBAS) and error mitigation. | Indian Institute of Geomagnetism  Plot No. 5, Sector 18, Panvel (west),Navi Mumbai – 410218 | gopi.seemala@iigm.res.in | 91-22-2748 4056 | Confirmed |
| **3.** | Prof. Sushil Kumar  Director Research  School of Information Technology, Engineering, Mathematics, and Physics | Remote sensing of upper atmosphere using ELF/VLF and SHF radio wave technique | The University of the South Pacific Suva, Fiji | [sushil.kumar@usp.ac.fj](mailto:sushil.kumar@usp.ac.fj) | (+679) 32 32247 | Confirmed |
| **4.** | Prof. Yasuhide Hobara, Department of Communication Engineering and Informatics, | Total Lightning, Space Plasma, Ionospheric Perturbations, Seismic activity, Satellite Observation, GLIMS,  Space weather, wind gust, extreme weather, VLF/ELF, Whistler, Ionosphere, DEMETER, Lightning Charge moment | The University of Electro-Communications  1-5-1 Chofugaoka, Chofu, Tokyo, Japan 182-8585 | hobara@ee.uec.ac.jp | +81-42-443-5154 | Confirmed |
| **5.** | Prof. Binoy Krishna Patra,  Department of Physics | Quantum Field Theory, Vacuum and thermal medium with finite density ,  Relativistic nucleus-nucleus Collisions and early Universe, Quantum Chromodynamics in an external magnetic field, QCD Thermodynamics, Heavy Quark Physics. | IIT Roorkee | binoy.patra@ph.iitr.ac.in,  binoy@ph.iitr.ac.in | 9410982275 | Confirmed |
| **6.** | Prof. Rajeev Ranjan  Department of Material Engineering | Ferroelectric and piezoelectric materials, Relaxor ferroelectrics, Magnetic materials, Multiferroic materials, Structure-property correlations. | IISc, Bangalore | rajeev\_at\_iisc.ac.in | 9902042989 | Confirmed |
| **7.** | Prof. Ajit Mohan Srivastava,Department of Physics | Quark-Gluon Plasma, Relativistic Heavy-Ion Collisions, Astrophysics: neutron stars, pulsars, and Gravitational waves, Cosmology: Cosmic strings, CMBR, Inflation, Topological defects: formation, evolution, and interaction, Laboratory cosmology: Liquid crystal experiments, analogue gravity. | Institute of Physics,  Bhubaneshwar. | [ajit@iopb.res.in](mailto:ajit@iopb.res.in) | (+91)674-2306409 | Confirmed |
| **8.** | Prof. Asokan Kandasami  Department of Physics  and Center for Interdisciplinary Research, | Energy materials: Materials synthesis and electrical characterization; Electronic structures of Materials using Synchrotron based techniques: X-ray Absorption spectroscopy, etc and Ion beam interactions. Nanostructured materials, Multiferroic thin films/ceramics, Sensors and Devices. | University of Petroleum and Energy Studies (UPES) Dehradun, Uttarakhand 248007 India | asokaniuac@gmail.com | +91 9968290508 | Confirmed |
| **9.** | Prof. Vinay Sharma  Senior Development Engineer | Semiconductor process development, design of experiments, data analysis and project management. worked on semiconductor products ranging from MEMS sensors (piezo, gyro, inertial), BCD, logic technology and  power semiconductors for technology development. | Bosch GmbH, Germany | drvinaysharma22@gmail.com | +49 1737280373 | Confirmed |
| **10.** | Prof. Dirtha Sanyal,  Scientist G | Positron annihilation spectroscopy, Condensed Matter Physics, High Temperature  Superconductivity. | Variable Energy Cyclotron Centre (VECC0, Kolkata. | dirtha@vecc.gov.in | +91 9432094123 | Confirmed |
| **11.** | Prof. Savita Dixit,  Professor  Department of Chemistry | Natural products, Polymer and Composite materials,  Alternative fuels | M.A.N.I.T., Bhopal, India-462003 | savita.dixit.manit@nic.in | +91 9425009287 | Confirmed |
| **12.** | Dr. Rogério Riffel,  Associate Professor  [Astronomy Department](http://www.if.ufrgs.br/ast/index.html) of the [Physics](http://www.if.ufrgs.br/) | Stellar populations and physics/chemistry of the emission line gas of Active Galaxies, from optical up to mid-infrared data, in order to understand their inpact in the evolution of galaxies. The instrumentation used in these studies goes from optical (e.g., GMOS-LS, GMOS-IFU, SDSS-IV MaNGA, MUSE, SIFS), near-infrared (e.g. SpeX, GNIRS, ARCOIRIS, NIFS, SINFONI) long-slit and integral field units (IFUs) to mid-infrared (Spitzer/MICHELE/T-ReCS) data. These instruments are attached on the GEMINI 8m telescopes, 4.1m SOAR telescope and on Nasa Infrared Telescope Facility (IRTF) 3m telescope | Federal University of Rio Grande do Sul, Brazil | [riffel@ufrgs.br](mailto:riffel@ufrgs.br) | +55 5133086645 | Confirmed |
| **13.** | Prof. Birbal Singh | Atmospheric Science, Earth Science | Department of Electronics & Communication,  RBS College, Agra | bbsagra@gmail.com | +91 9412373079 | Confirmed |
| **14.** | Prof. Abhay Kumar Singh | Atmospheric Science, Earth Science | Department of Physics, Banaras Hindu University, Varanasi | abhay\_s@rediffmail.com | +91 9415303722 | Confirmed |
| **15.** | Prof. A. K. Sharma | Atmospheric Science, Earth Science | Dean Faculty of Science, Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir | sharma\_ashokkumar@hotmail.com | +91 9027436787 | Confirmed |

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