

**DEPARTMENT OF PHYSICS**  
**ASSAM UNIVERSITY SILCHAR**

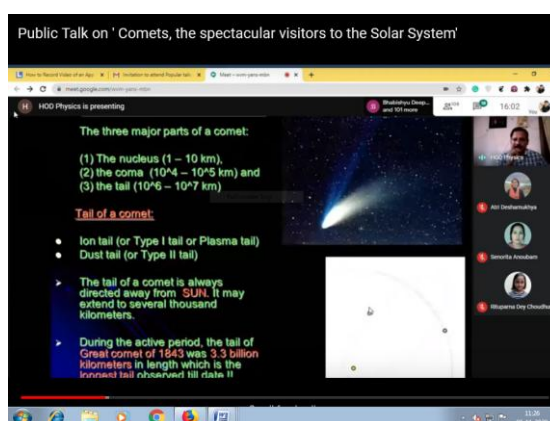
**A Short Report on programs organized in the Department.**

(Note: Full video of the events may be watched from the YouTube Channel of the Department  
viz: **Department of Physics, Assam University, Silchar**)

**1. Public talks on “Comet: The spectacular visitor to the Solar System” : July 25, 2020**

The Department has organized a series of talks (at popular level) and discussion on 25th July 2020 honouring the apparition of Comet NEOWISE. The theme was “Comet: The spectacular visitor to the Solar System”. Around 300 participants registered for the program including University, College, and School students from different corners of the country. The program was convened by Dr Himadri Sekhar Das.

**Speakers:** Prof. Asoke Kumar Sen, Physics Department, Assam University Silchar.  
Prof. Atri Deshamukhya, Physics Department, Assam University Silchar.  
Dr. Himadri Sekhar Das, Physics Department, Assam University Silchar.



**2. International Webinar on “Advancements in Condensed Matter Physics: August 7-8, 2020**

The webinar has focused on the advancements in different areas of condensed matter physics, and also covered experimental condensed matter physics. Lectures delivered by the speakers encourage the participants in frontier research areas of Condensed Matter Physics. Around 402 participants have registered in this webinar.

**Convener:** Dr. Utpal Sarkar, Asst. Prof., Department of Physics, Assam University, Silchar.  
**LOC Chairperson:** Prof. Atri Deshamukhya, HOD, Physics, Assam University, Silchar

**Speakers:**

Prof. S. Mehdi VaezAllaei, University of Tehran, Tehran, Iran.  
Prof. Subhadeep Datta, Indian Association for the Cultivation of Science, Kolkata, India.  
Prof. Achintya Singha, Bose Institute, Kolkata, India.  
Dr. Sanjoy Kumar Mahatha, Deutsches Elektronen-Synchrotron (DESY) Hamburg, Germany.



### 3. Public talk on “Sustaining a healthy mind during the pandemic: A Life lesson” , August 14, 2020

The research Scholars of the department in association with the Mental Health and Well-being of Students Committee of Assam University, Silchar has organized a public lecture on *Sustaining a healthy mind during the pandemic*. Around 630 participants from different sections of the society have registered for this program.

**Speaker:** Swami Nihilshwaranandaji, Shri Ramakrishna Ashrama, Rajkot



### 4. International Conference on Dust in Astrophysics: August 31-September 1, 2020

An international virtual conference on "Dust in Astrophysics" was organized by the Department of Physics, AUS from August 31 to September 01, 2020. About 110 participants have registered for the conference. The thrust area of discussion was Star formation, Light scattering properties of Cometary dust, Study of interstellar dust, Light scattering properties of biological particles etc.

**Convenor:** Dr.Himadri Sekhar Das, Asst. Prof., Assam University,Silchar

**LOC Chairperson:** Prof.Atri Deshamukhya, HoD, Physics, Assam University, Silchar

#### Speakers:

Dr. Evgenji S. Zubko, Kyung Hee University, South Korea

Dr. Ekaterina Chornaya, Institute of Applied Astronomy, Russian Academy of Sciences, Russia

Dr. Shashikiran Ganesh, Physical Research Laboratory, Ahmedabad, India

Dr. Biman J. Medhi, Gauhati University, Assam, India.



## 5. International Webinar on “Climate change and Extremes” September 11-12, 2020

An international webinar was organised by the department on the theme “Climate change and Extremes” on 11-12 September, 2020. The webinar has sensitized on climate change and the scientific understanding of the extreme climate situations as well as create awareness toward our responsibility in controlling global warming.

**Convenor:** Prof. Atri Deshamukhya, Assam University, Silchar

**LOC Chairperson:** Prof. Asoke Kumar Sen, Physics, Assam University, Silchar

### Speakers:

Dr. M.M. Ali, Senior Scientist, COAPS, Florida State University, USA

Dr. Michael J. Mills, Scientist, ACOML, National Centre for Atmospheric Research, USA.

Dr. Amit P Kesarkar, Scientist F, WCRG, National Atmospheric Research Laboratory, AP, India

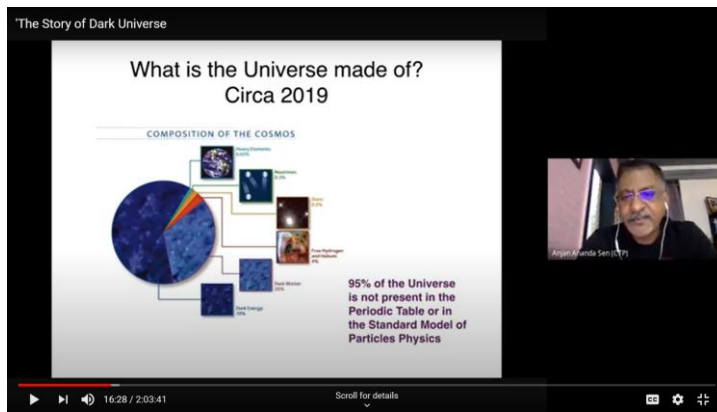
Dr. Roxy Mathew Koll, Scientist E, CCCR, Indian Institute of Tropical Meteorology, Pune.



## 6. Public talk on “Story of the dark Universe”, September 28, 2020

A popular science program was organised in the Department on 28 September, 2020. About 222 participants have registered to attend this program. In this talk, the speaker narrated the story of evolution of the Universe putting the explanation of dark energy and dark matter.

**Speaker:** Prof Anjan Ananda Sen, CTP, Jamia Millia Islamia, New Delhi



#### 7. Public talk on “Beyond formal education”, October 14, 2020

A public talk on the theme “Beyond formal education” was delivered by Nivedita Raghunath Bhide, President, Vivekananda Kendra, Kanyakumari on the evening of 14 October 2020. Around 234 people joined this program. The speaker emphasises on the education in real sense , exploring and building once’s capability in all spheres. This event was organized by the research scholars of the Department.

**Speaker:** Nivedita Raghunath Bhide, Vice President, Vivekananda Kendra, Kanyakumari, India

