

Session Program

30 January 2024 to 27 February 2024

*APS-UH and the UH Department of Physics
present...*

Physics Research Day

Saturday, Feb. 24
8am - 5pm
Farish Hall



UH Physics Research Day - 2024

Material Science

University of Houston - Main Campus
101 Farish Hall

Saturday 24 February

13:00

Material Science

Session | **Location:** University of Houston - Main Campus, 101 Farish Hall

13:00–13:12

Spectroscopic Study of the Electronic Structure in Two-dimensional Chromium trihalides

Speaker

Chamini Pathiraja

13:12–13:24

PTFE reinforced electrolyte membrane for high performance and durability in proton exchange membrane fuel cell (PEMFC)

Speaker

Subash Bhandari

13:24–13:36

Replication and study of anomalies in LK-99, the alleged ambient-pressure, room-temperature superconductor

Speaker

Mr Thacien Habamahoro

13:36–13:48

Synthesis of Ce-doped NiFe-LDH electrocatalysts for oxygen evolution reaction through a single-step hydrothermal method

Speaker

Byaruhanga Paul

13:48–14:00

Ultrafast Electron Diffraction Studies in the Two-Dimensional Magnet CrSBr

Speaker

Jayajeewana Ranhili Pelige

14:00–14:12

Study of the Thermoelectric properties of n-type Mg₃Sb₂ via doping Zr and incorporating MXene

Speaker

Suraj Pradhan

14:12–14:24

Band Topology of LK-99

Speaker

Bishnu Karki

14:24–14:36

NiMo based bifunctional catalysts for water electrolysis

Speaker

Navmi Naik

14:36–14:48

Thermoelectric Properties of N type Mg₃Bi₂-N type Bi₂Te₃ Composites

15:00

Speaker
JUNAID UR REHMAN