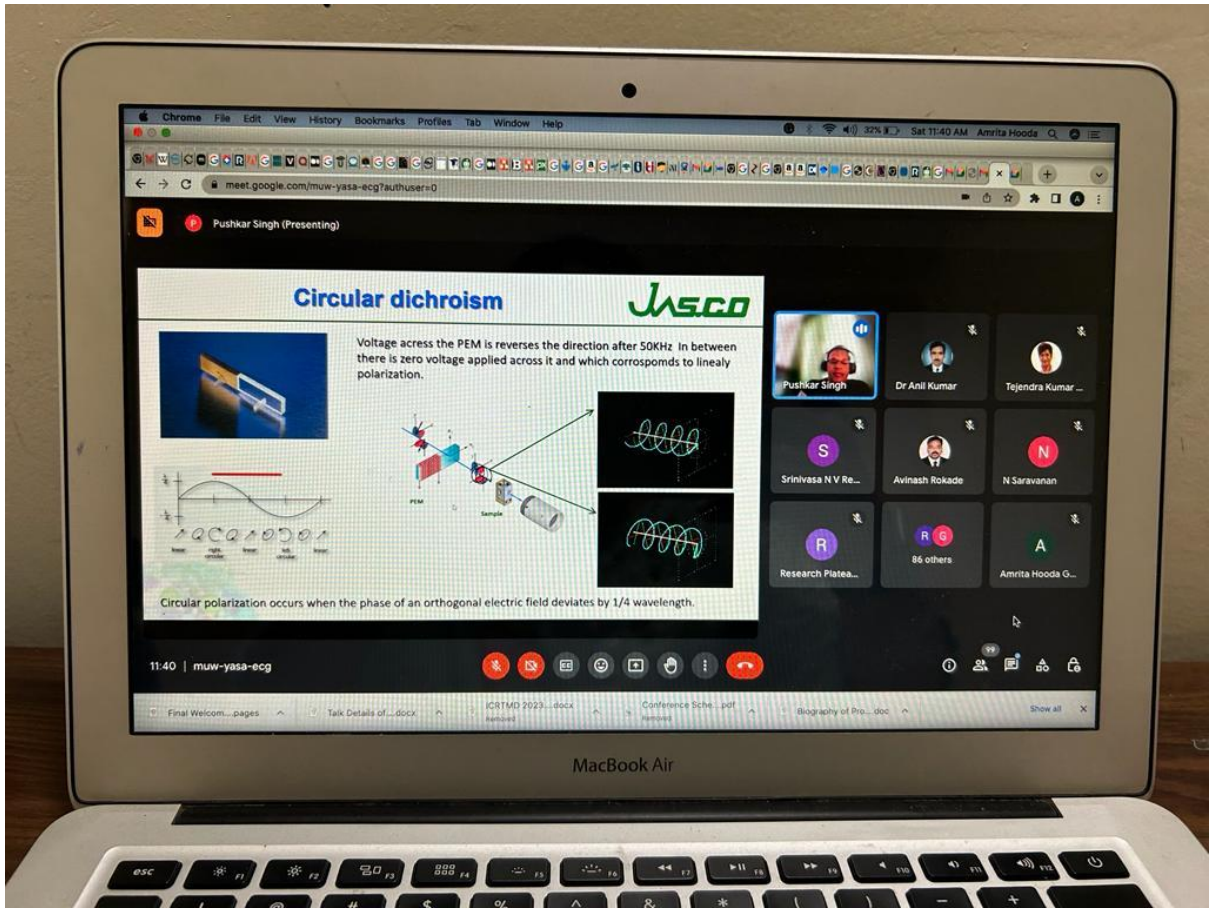
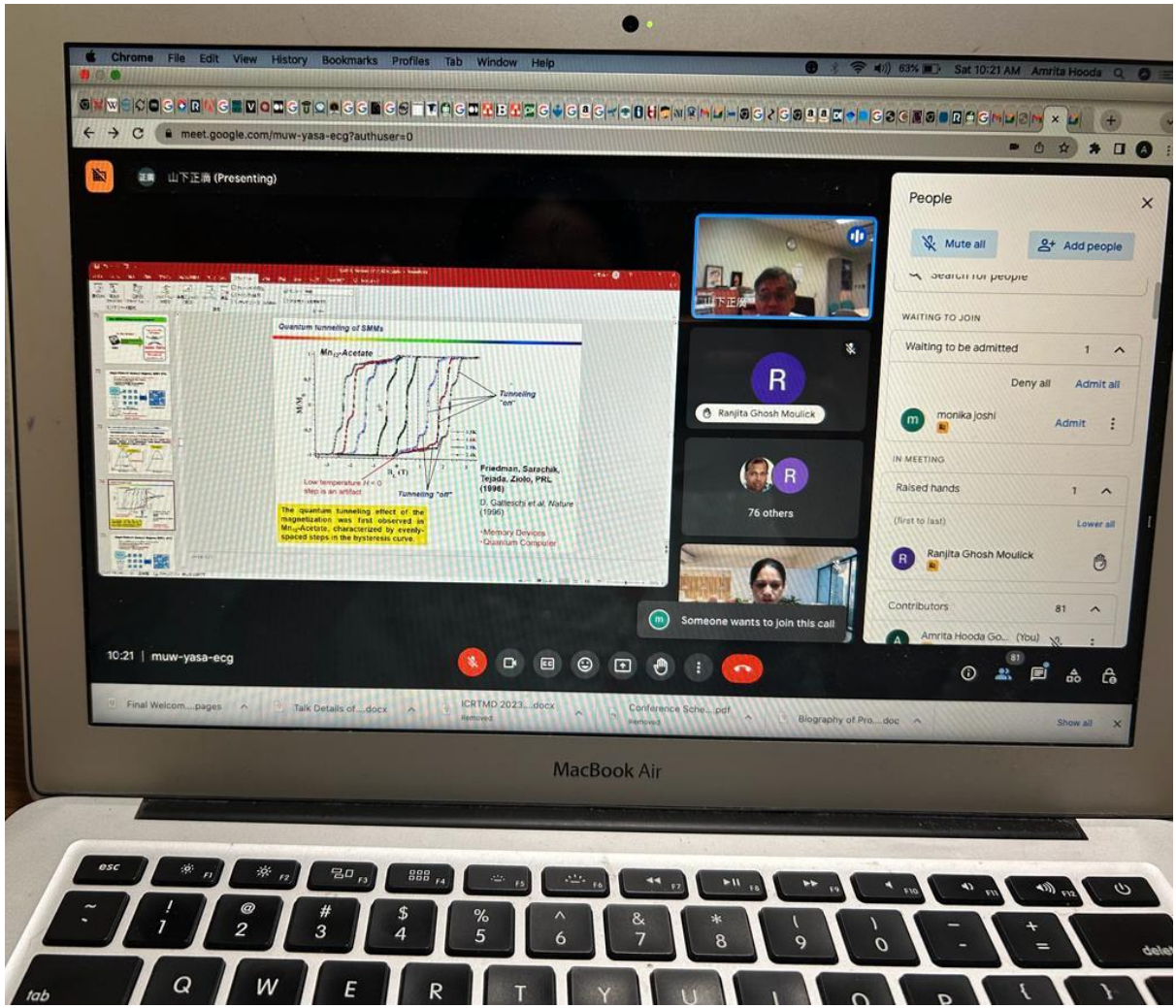
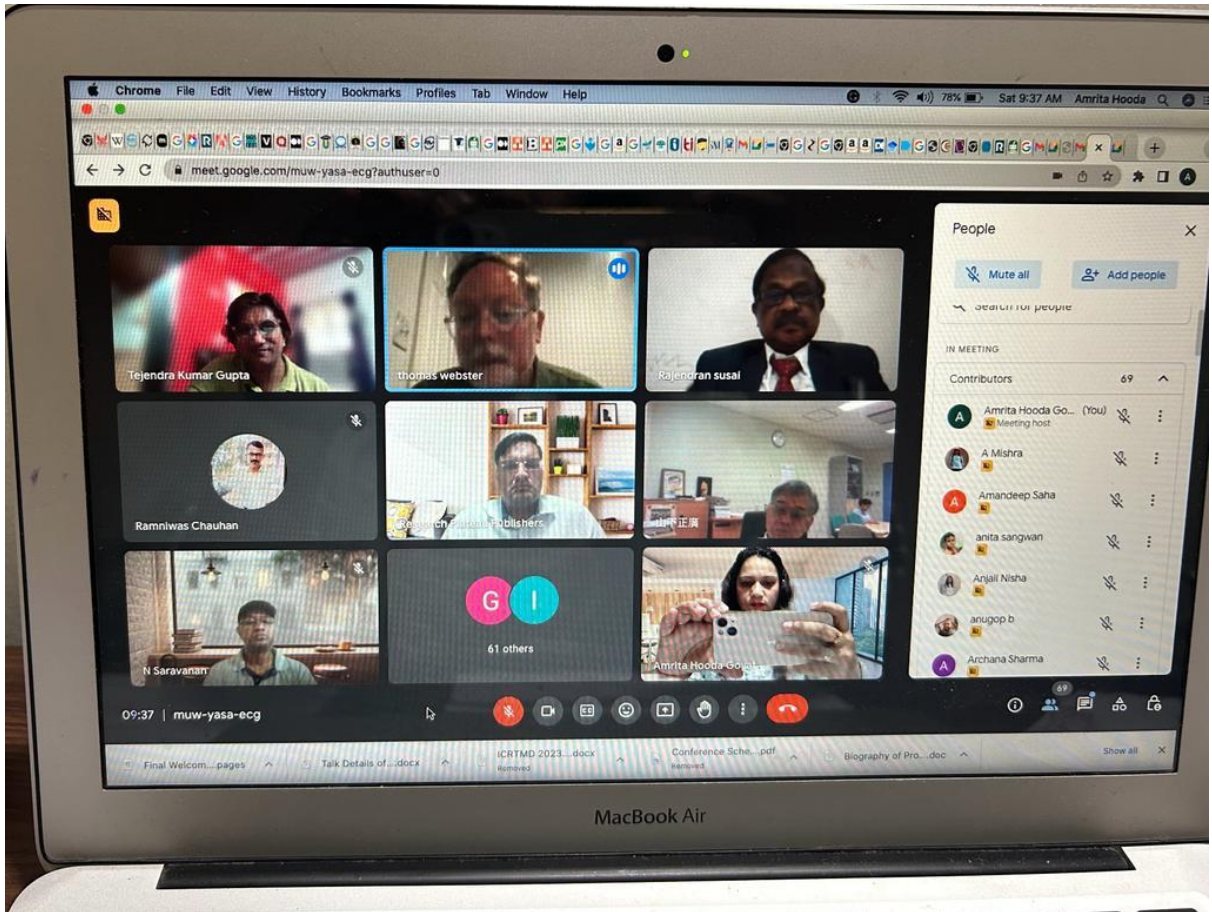
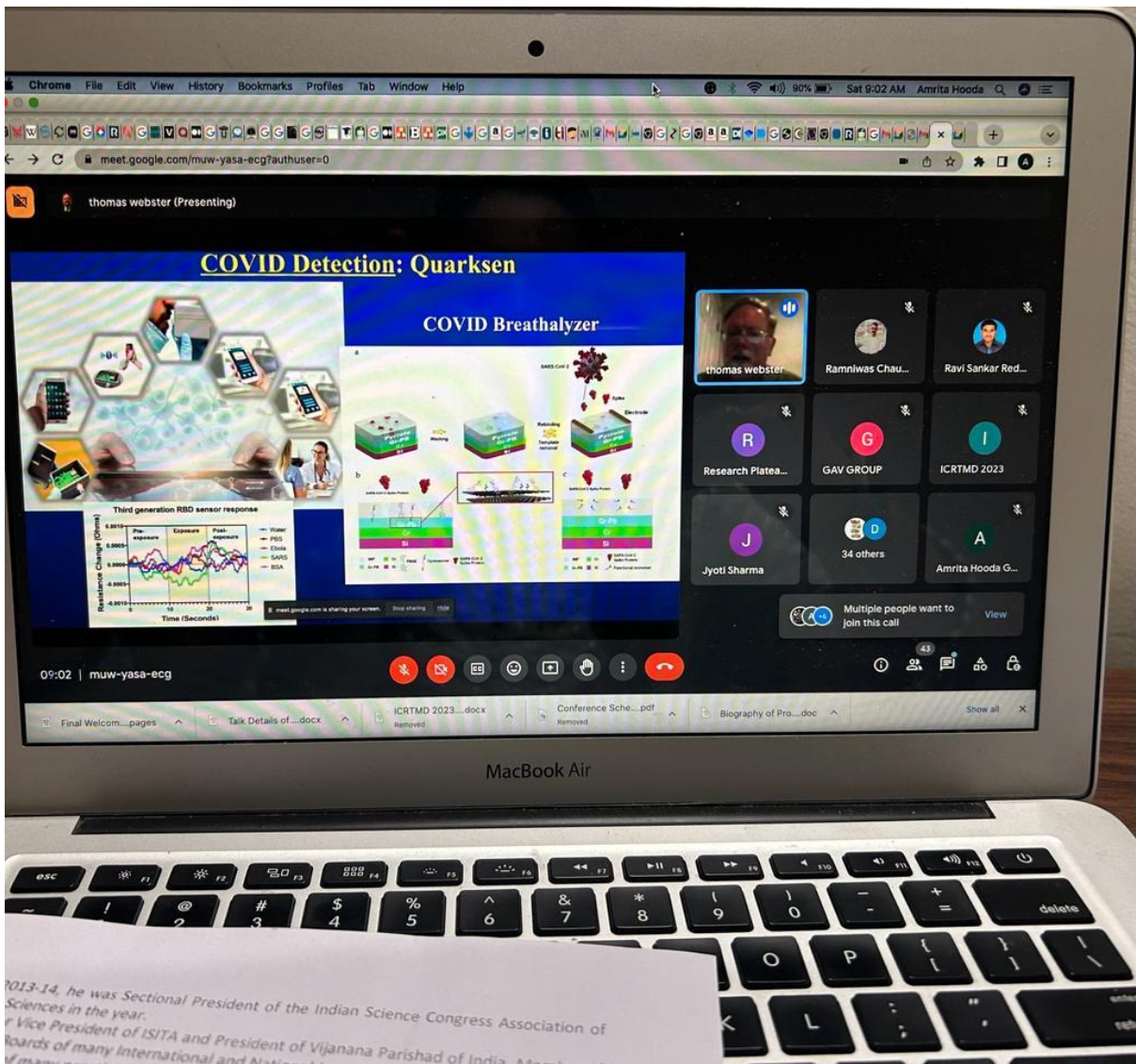


MacBook Air









Dr. Surender Duhan (Presenting)

MATERIALS SCIENCE AND MATERIALS ENGINEERING

- Sometimes it is useful to subdivide the discipline of **materials science and engineering** into **materials science** and **materials engineering** sub-disciplines.
- Strictly speaking, **"materials science"** involves investigating the relationships that exist between the **structures and properties of materials**.
- In contrast, **"materials engineering"** is, on the basis of these structure-property correlations, **designing or engineering the structure of a material to produce a predetermined set of properties** [Throughout this talk we draw attention to the relationships between material properties, structural elements and Applications of Smart/Intelligent/Advanced Materials].
- The role of a **materials scientist** is to develop or synthesize new materials, whereas a **materials engineer** is called upon to create new products or systems using existing materials, and/or to develop techniques for processing materials.

Amrita Hooda Goyat

Tejendra Kumar Gupta

Dr. Surender Duhan

Subhankar Das

Harshitha D

N Saravanan

Research Plateau Publ...

Ritu Singh

Mohammed Salman.k

39 others

10:23 | muw-yasa-ecg

N Saravanan

Piyush Dua

ICRTMD 2023

Research Plateau Publishers

Prasun Mukherjee

Ruksana Sirach

Harshitha D

29 others

Amrita Hooda Goyat