Project: Laser Interferometer Gravitational-Wave Observatory (LIGO)

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LIGO India - opportunities for the industry

Abstract:

- LIGO-India observatory, developed by the four R&D institutes (DCSEM, IPR, IUCAA, RRCAT) has the following major work elements; civil facilities, vacuum systems, contamination control, instrumentation & controls, laser & optics, data storage and making scientific data available for research. A major task would be to ensure quality control. The presentation would give a glimpse of the opportunities that the industry can have during the development phase of the project.

About the Speaker:

- Prof Subroto Mukherjee is an experimental plasma physicist and has developed plasma based technologies for societal benefit. Prof Mukherjee is currently leading the LIGO-India activities related with vacuum and controls & data systems activities at IPR. He has published 140 journal papers, has 15 patents and guided 16 PhD students. He is an Alexander von Humboldt fellow, Fellow of Gujarat Science Academy (FGSA) and Fellow of Indian National Academy of Engineering (FNAE).