

India Canada Science & Technology Innovation Dialogue announces several Joint Projects

Ten new joint projects on Cyber Physical Systems to support Green Buildings in Smart Cities and also in Biotechnology related areas have been announced between India (Ministry of Science and Technology) and Canada at the India-Canada Science & Technology Innovation Dialogue organized on 9th December 2019.



The projects spanned areas like carbon capture, renewable energy, hydrogen technology, new materials, earthquake resistance and so on for smart cities.

The award winning projects included large area microbolometer, Uncooled focal plane arrays for thermal imaging, carbon neutrality through combined carbon dioxide capture and novel hydrogen technology with production of non conventional fuels for smart cities, meta-material based lightweight panel wall for enhanced building acoustic and seismic resistance, metal material walls for improved acoustic performance in green buildings, improving building energy demand predictions in smart cities through sensor observations and considerations of landscape characteristics, harnessing the potential of renewable energy for sustainable building energy management through compressed air energy storage.



The day long dialogue brought together experts and representatives from Department of Science & Technology, GOI, Department of Biotechnology, India Canada Centre for Innovative Multidisciplinary Partnerships to Accelerate Community Transformation and Sustainability (IC-IMPACTS) and other stakeholders from Academia and Industry to discuss challenges for India Canada collaboration, platforms for research collaborations like IC-Impacts and how to leverage them and future collaborations between the countries.

The key areas identified for possible India- Canada collaborations are Food security, Water Management, Energy Security and Affordable Healthcare. The new initiatives of DST that were open for international collaboration like Super Computing, Big Data Analysis, Quantum Computing Integrated Water Management and on were highlighted.

The dialogue was graced by the presence of Dr Nemy Benthia, CEO & Scientific Director, IC - IMPACTS ,High Commissioner Nadir Patel ,Canadian High Commisioner toIndia ,Dr Arabinda Mitra, Dr S K Varshney, Head Bilateral International Cooperation, DST, Dr. Alok Rawat Scientist, DBT, representatives from University of Toronto and several other dignitaries.