

Inauguration



Higher Education Department
ഉന്നതവിദ്യാഭ്യാസ വകുപ്പ്



**LBS INSTITUTE
OF TECHNOLOGY FOR WOMEN**
(A Government of Kerala Undertaking)
Approved by AICTE & Affiliated to APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

One Day International Colloquium:
**The Global Quantum & Exponential
Technologies Meet - India 2026**
**UNDERSTANDING THE
EXPONENTIAL SHIFT (INDIA)**

Dr. SHARMILA MARY JOSEPH IAS
Principal Secretary
Dept. of Higher Education
Govt. of Kerala

★ 21 January 2026
MAIN SEMINAR HALL
9:30 AM - 4.30 PM ★

Celebrating A Legacy of Excellence & Women Empowerment"

LBS Institute of Technology for Women (LBSITW), Poojappura, Thiruvananthapuram, has successfully completed 25 years of dedicated service in technical education, marking a significant milestone in its journey of academic excellence and women empowerment. Over the past two and a half decades, LBSITW has consistently demonstrated excellence in academics, research, innovation, and holistic student development. LBSITW has achieved remarkable progress in placements and higher education, with students securing positions in leading multinational companies, public sector organizations, and premier academic institutions in India and abroad. A strong focus on innovation, entrepreneurship, and social responsibility has been a hallmark of the institute. As part of the Silver Jubilee celebrations, one day international colloquium is organized in the rapidly evolving technological landscape. The celebration stands as a testament to the institute's unwavering commitment to excellence, inclusivity, and nation-building.



INTERNATIONAL COLLABORATORS



- UNESCO - UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
- UNITED NATIONS JOINT STAFF PENSION FUND (UNJSPF)



**Innovation
Network
Canada**



- Emerging Tech Governance & Certification**
- CERN - EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH, GENEVA
 - CMC MICROSYSTEMS - CANADA'S NATIONAL DESIGN NETWORK

UNDERSTANDING THE EXPONENTIAL SHIFT (INDIA)

21 January 2026
MAIN SEMINAR HALL
9:30 AM

PROGRAMME SCHEDULE

- Welcome : **Dr. SMITHAMOL M. B.**
Principal, LBSITW
- Presidential Address : **Dr. JAYAPRAKASH P.**
Director,
Technical Education, Govt. of Kerala
- INAUGURATION** : **Dr. SHARMILA MARY JOSEPH IAS**
Principal Secretary
Dept. of Higher Education, Govt. of Kerala
- Felicitations : **Dr. M. ABDUL RAHIMAN**
Director,
LBS Centre, Thiruvananthapuram
- Keynote Speakers : **Dr. JOSEPH NIEMELA**
Scientist Emeritus,
International Centre for Theoretical Physics,
UNESCO
- : **Dr. MAY SIKSIK**
CEO,
Innovation Network Global, Canada
- : **Dr. GREGORY CARPENTER**
DrPH, FRSA
- : **Dr. GORDON HARLING**
President & CEO
CMC Microsystems
- Vote of Thanks : **Dr. ANILKUMAR E. N.**
Professor
Dept. of Mechanical Engineering, LBSITW



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21 January
2026

UNDERSTANDING THE EXPONENTIAL SHIFT (INDIA)

One Day International Colloquium:

Speakers (On campus)

9.30 am - 4.30 pm

Location
Main Seminar Hall
@LBSITW

Hosted by:
Career Guidance and
Placement Unit



DR. MAY SIKSIK
CEO, Innovation Network Global,
Canada



DR. JOSEPH NIEMELA
Scientist Emeritus, International
Centre for Theoretical Physics,
UNESCO



DR. GREGORY CARPENTER
DrPH, FRSA Principal Partner
CW PENSEC



MR. GORDON HARLING
President & CEO of CMC
Microsystems

About the program

The colloquium brings together luminaries from UNESCTO, United Nations, CERN, Innovation Network Canada, CMS Microsystems, and the British Columbia-India Business Network to address quantum computing, AI cybersecurity, blockchain, governance, and workforce transformation.

Speakers (online)

Scheduled Talks:

09.30-10.00 - Inauguration

10.00-10.30 - Dr. May Siksik

“From Fragmentation to Global Infrastructure: Educating for the Exponential Age.”

10.30-11.15 - Dr. Clarice D. Aiello

“Quantum Biology: Why the Next Computing Revolution Is About Life, Not Just Machines.”

11.10-11.30 - Coffee Break

11.30-12.00 - Dr. Joseph Niemela

“Building Global Quantum Literacy” Education, Equity, and the International Year of Quantum.”

12.00-12.30 - Dr. Gregory Carpenter

“Security in the Exponential Era: Cyber Risk, Quantum Threats, and National Resilience.” - Cybersecurity in AI- and quantum-enabled systems

12.30-13.30 - Lunch

13.30-14.00 - Dr. Thomas Clausen

“From Nanofabrication to National Capability: Why Hardware Still Matters.”

14.00-14.45 - Dr. Luigi Serio (CERN)

“Federated Learning, Privacy, and the Future of Computer at Global Scale.”

14.45-15.15 - Mr. Gordon Harling

“From Research to Reality: Building National Quantum & Semiconductor Capacity.”

15.15-15.35 - Coffee Break

15.40-16.30 - Dr. Dino Cataldo Dell'accio

“Digital Identity, Trust, and Governance in the Exponential Age.”



DR. CLARICE D. AIELLO

UCLA Lead, Quantum Biology Tech (QuBIT) Lab



DR. BOB COECKE

Belgian theoretical physicist and the Chief Scientist at Quantinuum



DR. THOMAS CLAUSEN

Project Manager, DTU Nanolab, the National Centre for Nano Fabrication and Characterization Denmark



DR. LUIGI SERIO

Principal Scientist, CERN, & Lead CAFEIN, a specialized federated learning (FL) platform designed for large-scale, privacy-preserving AI



DR DINO CATALDO DELL'ACCIO

Deputy Chief Executive, UNISFPF



DR ROBERT PÁSIČKO

UNDP Alternative Finance Lab (AltFinLab)