CMTI organized a technical presentation on ‘Hard Machining Technologies’, by Mr. Wentz Dieter Claus, M/s. BENZINGER, Deutsch, on 16th April 2018. The technical capabilities of their machine tools manufactured such as compactness, energy efficiency, automation, hard turning, grinding, diamond turning, deep hole drilling and five axis machines were briefed to CMTI scientists.

CMTI organized a technical presentation on ‘Developments in Dimensional Metrology’, by Dr. Phill Cooper, Interim head of NPL Training & Consultancy, M/s. National Physical Laboratory, UK, on 20th April 2018. He said that NPL mainly focuses on technical challenges of industries. In the last two years it is focusing on qualification of parts produced by additive manufacturing. In his presentation he emphasized that measurements will deliver a) High productivity b) More export and trade c) Confidence in new technologies development.
CMTI organized a technical presentation on ‘3D Optical Measurement System for Form and Roughness’, by Mr. Gautam Tiwari, Mr. K S Raman, Mr. Amitkumar Pandey, Mr. Urban Muraus on 30th May 2018 and by Thomas Perchthaler, on 28th June 2018, M/s. Alicona, Austria. They presented technical features of product “Infinite Focus SL”. The product has capability for fast 3D measurement of form and finish on micro-structured surfaces. Live demonstration for the measurement on CMTI machined components was showcased on the equipment.

CMTI organized a technical presentation on ‘Metal 3D Printing and DLP’, by Mr. Rajesh Mrithyunjayan, Product Head, M/s. Monotech on 28th June 2018. He emphasized that DLP technology is in compliance with new medical device regulation rules. It promises the usage of multiple material possibilities with wavelength in the range of 380-386 nm. Sector wise curing technology is enabled through projected image onto a full platform and this eliminates edge curing problems as well as offsets. The system is widely used in the manufacturing of hearing aids and dental prosthetics.

Shri. Virender Sharma, Director, O/o The Development Commissioner, MSME, Ministry of MSME, Government of India, New Delhi, visited Central Manufacturing Technology Institute (CMTI) on 11th June 2018 to witness the spectrum of activities & facilities and also possible areas of collaboration.
**SUPERANNUATION**

‘CMTI WISHES THEM THE PEACEFUL, HEALTHY & ACTIVE LIFE’

**February - 2018**

Shri Prakash A V, Senior Technical Officer (SG), Total Productivity Maintenance Dept. Superannuated from the services of CMTI in February 2018, after 36 years of service.

Smt. Alphonza John, Office Superintendent Gr - III, Purchase & Stores Dept., Superannuated from the services of CMTI in February 2018, after 38 years of service.

**March - 2018**

Shri Seshasayee. C, Asst. Administration Officer (SG), Central Planning & Co-ordination Dept., Superannuated from the services of CMTI in March 2018, after 34 years of service.

**April - 2018**

Shri Seshasayee. C, Asst. Administration Officer (SG), Central Planning & Co-ordination Dept., Superannuated from the services of CMTI in April 2018, after 33 years of service.

Shri Mallappa HK, Senior Technical Officer, UPE Dept., Superannuated from the services of CMTI in April 2018, after 33 years of service.

Smt. Shashi Rekha N, Assistant Administration Officer (SG), Central Planning & Co-ordination Dept., Superannuated from the services of CMTI in April 2018, after 39 years of service.

**June - 2018**

Shri Arumugasamy S, Joint Director, Superannuated from the services of CMTI in April 2018, after 33 years of service. He joined as Technical Officer in the Research, Testing & Assembly department in 1983 and rose to the post of Joint Director. He worked in various capacities handling various activities in the area of Hydraulics.


His had also contributed in calibration of hydraulic pressure gauges, contamination evaluation of hydraulic fluid, supply of calibration fluid for calibration of particle counters.

His Significant contributions include R & D / D & D of test facilities for qualification testing of airworthy products, such as pumps, actuators, heat exchangers, hydraulic filters etc., & testing of hydraulic elements. Design, assembly & testing of test rigs related to hydraulic systems for machine tools & allied equipments.

Shri Chellamalai, Scientist - E, Head UPE Department, Superannuated from the services of CMTI in June 2018, after 31 years of service. He has joined as Apprentice Officer and worked in various capacities handling various activities in the area of Ultra Precision Engineering.

He was trained under UNIDO fellowship training in Tool Management at General Motors Institute, Flint, MI, USA and Thin film coating technology at M/S Roth & Rau, Germany.

Before his retirement, he was working in Micro & Nano fabrication and R&D in thin film coating technology such as Carbon Nano Tube (CNT) growth and DLC-AR coating as part of Nano Manufacturing Technology Centre.


Shri Jagadeesh K, Assistant Administration Officer (SG), Accounts Dept., Superannuated from the services of CMTI in June 2018, after 39 years of service.
NEW DIRECTOR TO CMTI

Dr Nagahanumaiah has taken over charge as DIRECTOR of CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE (CMTI), Bengaluru, effective from 5th July 2018.

Dr. Nagahanumaiah, distinguished scientist has served CSIR-Central Mechanical Engineering Research Institute, Durgapur as “Chief Scientist & Head, MicroNano Systems Technology Group” for more than two decades.

He received PhD, from Indian Institute of Technology Bombay, Masters in Tool Engineering from Indo-Danish Tool Room, Bangalore and Bachelors in Mechanical Engineering from Bangalore University. He has 25 years of professional experience that includes 20 years in R&D, 3 years teaching and 2 years as a tool designer in industrial tool rooms.

As Nodal Officer, successfully implemented three major multi institutional network projects in Micro Machines & Smart Manufacturing areas. He was also Principal Investigator in multi-institutional international projects like Indo-EU-FP7 & Indo-US project in related areas of micro-nano manufacturing. He has published 88 research papers, filed 4 patents and successfully demonstrated working prototypes of 3 micro machines. He has guided 3 PhD and 18 M.Tech students, currently 6 PhD scholars are working with him.

He is a recipient of ‘BOYSCAST Fellowship’ and ‘Raman Research Fellowship’. He is one of the recipients of ‘We Think for India’ award from Prime Minister of India for the Indian Manufacturing Policy draft prepared in 2003. In 2017, he was awarded as a Distinguished Scientist by Venue International Foundation. He is a member of International Association of Engineers, UK & Member of International Institution for Micromanufacturing (I2M2), USA.