

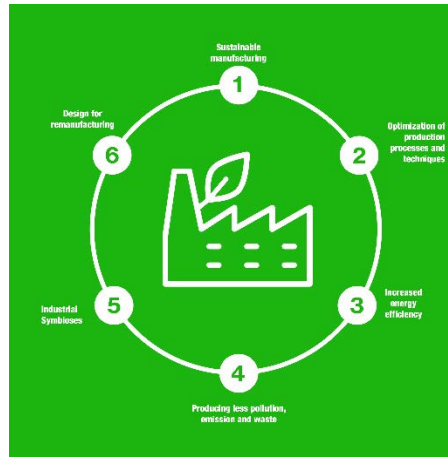


Department of Mechanical and
Manufacturing Engineering
The University of the West Indies
St. Augustine, Trinidad

Presents a
Public Seminar on
Saturday 28th January 2023

Diversification of Economy in the Caribbean: A Sustainable Manufacturing Approach

Max Richards Building (Block13)
Lecture Theatre 2
Faculty of Engineering
UWI, St. Augustine, Trinidad.



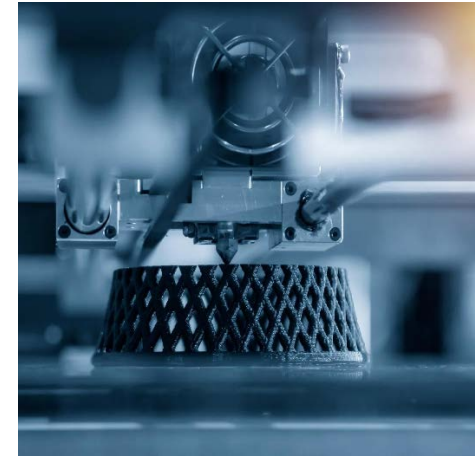
Smart Manufacturing

Resource Person

B. V. Chowdary, Ph.D.
Professor of Mechanical Engineering
Department of Mechanical and
Manufacturing Engineering
The University of the West Indies
St. Augustine, Trinidad.

Target Audience

- ✓ Mechanical/Manufacturing Engineers
- ✓ Supervisors/Managers
- ✓ Manufacturing Practitioners
- ✓ Students/Graduates of Manufacturing Engineering



Additive Manufacturing

Registration

- **Free**
- **Due: 21st January 2023**

[Register Here](#)

Contact Us

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Preamble

A diverse economy can support multiple businesses locally and by extension regionally. As each business expands, the diversification of economy supports the growth of all the other linked operations. It is also flexible to absorb changes in the wider economic environment and making it more resilient to global events. Otherwise, challenges can be expected in terms of slowdown in productivity growth and weak export competitiveness in allied sectors.

Sustainable development in the context of manufacturing is concerned with improving the efficiency of a manufacturing facility to reduce the adverse impact on social conditions, human health and the environment. But sustainability in manufacturing can take several forms such as reduce, reuse, recycle and remanufacture of materials.

Introduction of modern technologies such as additive manufacturing and computer aided smart manufacturing techniques can provide regionally a new avenue of distributed manufacturing. Further, these sustainable tools support communities by buying local goods and services, paying taxes and participating in local activities.

Speaker's Background

Professor Boppana V. Chowdary with Ph.D. from Indian Institute of Technology Delhi and Post-doctoral research from the University of Groningen, The Netherlands. He has 33 years of teaching and research experience including supervision of several MPhil/Ph.D. projects at the University of the West Indies. Prof. Chowdary organized an International Conference on *Emerging Trends in Engineering and Technology (IConETech-2020)* as well as various regional seminars and technical symposiums in Mechanical and Manufacturing Engineering area. Further, Prof. Chowdary visited several USA, UK and European Universities on various occasions.

Prof. Chowdary has expertise in several CAD/CAM software packages such as SolidWorks, Mastercam, Geomagic Studio and Geomagic Qualify programme as well as hands-on experience in Additive Manufacturing/3D-Printing, Computer Numerical Control (CNC) and 3D-Digitisation operations. His areas of research include Rapid Manufacturing, Computer-aided Design and Manufacture, Product Design and Development, Lean Manufacturing and Flexible Manufacturing Systems.

Program Schedule

08.30-09.00 am	Registration
09.00-09.05 am	Opening Remarks Prof. E. Ekwue, Dean Faculty of Engineering
09.10-10.00 am	Sustainable Manufacturing Prof. B. V. Chowdary
10.00-10.30am	Case Study 1
10.30-10.40 am	Break
10.40-11.10 am	Case Study 2
11.10-11.40am	Q&A Session
11.40-11.45am	Closing Remarks Dr. J. Bridge, HOD Mechanical and Mfg. Engineering
11.45-12.30 pm	Tour of CNC Lab and refreshments