

Target Audience

Mechanical/Manufacturing Engineers
Manufacturing Practitioners
Students/Graduates of
Manufacturing Engineering

**REGISTRATION DUE
8th October 2010**

- **No Registration Fees**

For Registration Contact

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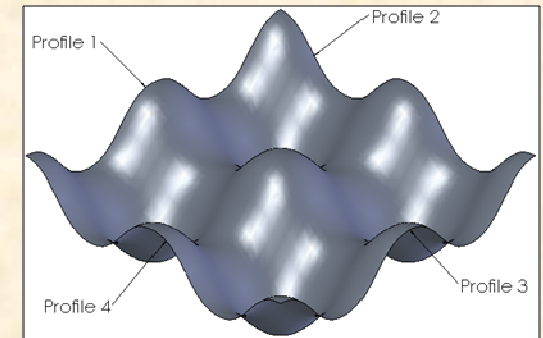
Department of Mechanical and
Manufacturing Engineering
The University of the West Indies
St. Augustine.

Presents

A Seminar On

**APPLICATIONS OF
COMPUTER AIDED
DESIGN AND MANUFACTURE
(CAD/CAM)
TO THE
TRINIDAD AND TOBAGO
MANUFACTURING INDUSTRY**

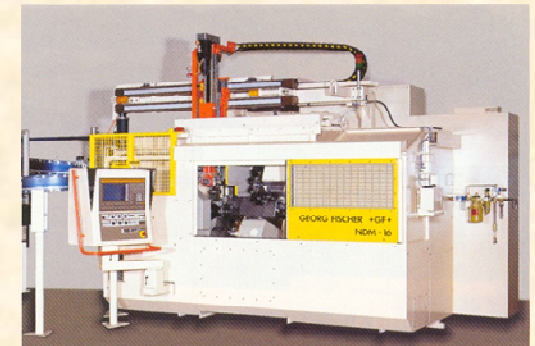
**16th October 2010
Room 101 Block 1
Faculty of Engineering
UWI, St. Augustine.**



COONS SURFACE

Resource Person

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



TURNING CENTRE

PREAMBLE

In discrete-product manufacturing, computers have contributed vastly to the development of numerical control (NC), robotics, computer-aided design (CAD), computer-aided manufacturing (CAM), computer-aided engineering (CAE) and flexible manufacturing systems (FMS). These computer-based technologies enable flexible production of small-batch products at low cost. Many human decision-making functions are replaced and assisted by computers thereby improving quality and increasing productivity.

Manufacturing enterprises of the Caribbean region must design and produce new products in an effective and competitive manner. A great demand exists for the provision of proper support of computer-based technologies to the manufacturing firms in Trinidad and Tobago to reduce lead time and improve the quality and productivity of manufacturing operations while ensuring flexibility. To achieve this, the primary objective of this seminar is set to discuss CAD/CAM principles and its applications to the local industry.

This seminar will also make an attempt to present some CAD/CAM applications (through case studies) for future implementation in the local, manufacturing sector in order to remain globally competitive.

SPEAKER'S BACKGROUND

Dr. B.V. Chowdary with Ph.D. from Indian Institute of Technology Delhi and Post-doctoral research from the University of Groningen, The Netherlands. He has 22 years of teaching and research experience including supervision of two MPhil projects (completed) and three MPhil/Ph.D. scholars (in-progress) at UWI. Chowdary has organized various seminars and technical symposiums in Mechanical and Manufacturing Engineering area in the past. Chowdary has visited several European Universities on several occasions and trained on Mastercam package from CNC Software, Inc., USA. His expertise lies in the areas of CAD/CAM, Product Design and Development, Lean and Flexible Manufacturing Systems.

PROGRAMME SCHEDULE

8.30 - 9.00 a.m.	REGISTRATION
9.00 - 9.10 a.m.	Opening Remarks <i>Prof. B. Copeland</i>
9.10 - 9.20 a.m.	Overview <i>Prof. E. Ekwue</i>
9.20 - 10.10 a.m.	CAD/CAM Applications <i>Dr. B. V. Chowdary</i>
10.10– 10.40 a.m.	US CAD/CAM Experiences <i>Dr. A. Bryan</i>
10.40 - 11.00 a.m.	B R E A K
11.00 - 11.20 a.m.	Case Study-1 <i>Ms. A. De Noon</i>
11.20 - 11.40 a.m.	Case Study-2 <i>Mr. A. Harris</i>
11.40 - 12.00 Noon	Case Study 3 <i>Mr. F. Ali</i>
12.00—12.10 p.m.	Closing Remarks <i>Prof. C.A.C. Imbert</i>