

## KEY DATES:

January 20 2012	First call for papers
March 01 2012	Second call for papers
March 31 2012	Last date for receipt of abstract
April 10 2012	Notice of acceptance of abstracts
June 30 2012	Full manuscript due
August 31 2012	Final submission

## GCMM2012 VENUE:

Located centrally in Auckland and within walking distance of downtown CBD, sky tower, Queen Street and other attractions, AUT city campus is the most convenient venue. Several hotels and student hostels dotting around the campus offer multiple options at different ranges.



## 11TH GLOBAL CONGRESS ON MANUFACTURING AND MANAGEMENT

Global Congress on Manufacturing and Management is a non-profit organisation governed by a board with one academic and one industrial member from each country and current membership spans over seventeen countries, from all over the world. Apart from providing a forum for leading researchers and industry partners to come together and exchange knowledge and views on global changes in manufacturing and management, GCMM conducts conferences once every two years. Going back by six years, the 8th GCMM was conducted in Santos, Atlantic coast region, Brazil, the 9th GCMM in Surfer's Paradise, surrounded by the Gold coast attractions of Australia, the 10th in Bangkok, thoroughly embraced in the Thai hospitality and the 11th GCMM comes to AUT University, Auckland, in November 2012. The conference is organised by a local and an international committee and is held within the School of Engineering.

### FOR FURTHER INFORMATION CONTACT

Dr. Sarat Singamneni  
School of Engineering  
AUT University Auckland New Zealand  
Ph: 0064 9 921 9999 (Ext: 8002)  
Email: sarat.singamneni@aut.ac.nz  
[www.aut.ac.nz/engineering/gcmm2012](http://www.aut.ac.nz/engineering/gcmm2012)

**AUT** UNIVERSITY **ENGINEERING**

# 11TH GLOBAL CONGRESS ON MANUFACTURING AND MANAGEMENT (GCMM2012)

28-30 November 2012  
AUT University,  
Auckland, New Zealand  
[www.aut.ac.nz/engineering/gcmm2012](http://www.aut.ac.nz/engineering/gcmm2012)

*Creativity and innovation lead  
Manufacturing and Management  
Systems towards success.*



**AUT**  
UNIVERSITY

# GCOMM 2012

## PATRON

Derek McCormack, Vice-Chancellor AUT University



## MESSAGE FROM THE DEAN

Welcome to AUT University; New Zealand's newest University - "the University for the changing world". We are especially looking forward to hosting the Global Congress on Manufacturing and Management as we share its focus on creativity and innovation.

*Desna Jury*  
Dean, Faculty of Design and Creative Technologies

## LOCAL ORGANISING COMMITTEE

### Chair

Prof John Raine, Head of School of Engineering

Prof. Thomas Neizert, AUT University

Dr. Sarat Sigamneni, AUT University

### Co-Chair

Prof Prasad Yarlagadda, Queensland University of Technology, Australia

Prof Xun Xu, University of Auckland, New Zealand

Prof. Olaf Diegel, Massey University, New Zealand

Prof. Zhan Chen, AUT University, New Zealand

A. Prof John Tookey, AUT University, New Zealand

Dr. Roy Nates, AUT University, New Zealand

### Members

Mr. Andrew Withell, AUT, New Zealand

Dr. Timotious Passang, AUT, New Zealand

Dr. Raj Das, University of Auckland, New Zealand

Dr. Namasivayam Navaranjan, SCION New Zealand

Dr. Biswajeet Bannerjee, IRL, New Zealand

Dr. Chuong Nguyen, University of Auckland

Dr. Chi Kit Au, University of Waikato

## CONFERENCE THEMES

Parallel technical sessions will run on different themes. While the following list a general guideline for authors, there is flexibility and prospective authors may suggest and include contributions on alternative themes in related other fields. All papers undergo a peer review process and will be put through a quality control system. Selected papers will be published in special editions of selected journals.

- Global manufacturing challenges
- Manufacturing processes and emerging trends
- CAD/CAM, Computer integrated manufacturing
- Robotics
- Additive Manufacturing
- Mechatronics and automation
- Modelling and simulation of manufacturing systems
- Virtual manufacturing and prototyping
- Materials and manufacturing
- Nano materials and technologies
- Material systems for emerging manufacturing
- Manufacturing applications in biomedical engineering
- Environment and manufacturing innovation and strategies
- Engineering leadership and management
- Intelligent manufacturing systems
- Flexible/Agile/Reconfigurable manufacturing systems
- Manufacturing management and knowledge management
- Innovations in technology transfer and acquisition
- Web based enterprises; e-business and e-commerce
- New paradigms for technology management
- Training in advanced in manufacturing systems
- UG and PG teaching in manufacturing and management
- Inventory and materials management
- Product design and development

## GCOMM BOARD MEMBERS

President	Mr. G. Viswanathan Chancellor VIT
Australia	Prof Prasad Y.K.D.V., QUT, Brisbane
Brazil	Dr. C. Birto, President, CRES
Canada	Dr. H. ElMaraghy, University of Windsor
China	Dr. P. Ding, Society of Mech. Engrs
Egypt	Dr. H. Elwany, Alexandria University
France	Prof. S. Tichkiewitch, Domaine Uni
Germany	Prof. Dr. Ing. P. Gmpel, Fachhochschule Konstanz
Korea	Prof Y.T. Im, KAIST
Mexico	Prof C. Acosta, University de las America-Pueba
Netherlands	Prof. E. De Bruijn, University of Twente
New Zealand	Dr. Sarat Singamneni, AUT University
Philippines	Dr. D. Dizon, Consortium of Engg. Edn. Manila
Poland	Prof. Leszek A. Dobrzanski, Silesian Univ. Of Tech.
Singapore	Prof. A.Y.C. Nee, National
Slovenia	Prof. Janez Kopac
Spain	Prof. E. Tovar, Universidad Politecnica de Madrid
Switzerland	Prof. T. Schelker, Swiss, College of Agriculture
Thailand	Dr. S. Butdee, King Mongkut's University of Tech.
USA	Prof. K.S. Taraman, Lawrence Tech, University

## GCOMM INTERNATIONAL SCIENTIFIC COMMITTEE

Chairman	Professor Khalil Taraman, Lawrence Tech. University, USA
Australia	J. Hannen (IEAUST), Dr. R. M. Iyer, Prof. A. Oloyede
Brazil	Professor M. Ciampi
Canada	Dr. H. ElMaraghy
Egypt	Dr. H. Elwany, Dr. K. Abdel Ghany
France	Professor S. Tichkiewitch
Hong Kong	Professor Kamineni P. Rao
Korea	Professor S Rhee, Dr. B.Y. Kang, Prof. Ill Soo Kim, Professors Man Kyung Ha, Tae Jo Ko, Sung Chung Kim, Dong Woo Cho
Malaysia	Prof. W.C.K. Wong
Mexico	Professor C. Acosta
Netherlands	Dr. E. de Bruijn, Dr G. Hugo
Philippines	Dr. D. Dizon
Singapore	Dr. L.C. Lee, Dr. M. Chandrasekharan
Spain	Dr. E. Tovar
Switzerland	Dr. T. Schelker
Thailand	Dr. S. Butdee
U.K.	Professors S. Arunachalam, S.K. Battacharya, James Gao
U.S.A.	Professor V.M. Rao Tummala, Professor R. Lal Tummala, Dr. Al Ubaidi, Dr. R. Radharamanan, Dr. S. Taraman, Professor J. Hansman, Prof. Selwyn Piramuthu

## GCOMM HONORARY BOARD MEMBERS

T. Boonyasopon (Thailand)	Ir. Hadiwaratama (Indonesia)
C. Chambers (USA)	J. Lee (South Korea)
J.S Gim (South Korea)	H. Ohta (Japan)