ANDHRA UNIVERSITY:

Andhra University is not just one of the oldest educational institutions in the country, but is also the first to be conceived as a residential and teaching-cum-affiliating University, mainly devoted to post-graduate teaching and research. Andhra University was constituted in the year 1926 by the Madras Act of 1926. The 87-year-old institution is fortunate to have Sir G.R.Reddy as its founder Vice-Chancellor, as the steps taken by this visionary proved to be fruitful in the long run. The University has well experienced and expert faculty known worldwide for their research contributions. The alumni of the University occupy important positions in government administration, Industry and research organizations within and outside the country.

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A):

The Government of Composite Madras State sanctioned the present Engineering College at Visakhapatnam in 1946 even though the seeds of Technological education were sown when Sugar Technology was started in the year 1933. In 1946, initially the College was located at Cocomanda, now called as Kakinda. After the separation of Andhra State in 1953, the Department of Engineering with Mechanical, Civil and Electrical Engineering sections was started as a part of Andhra University. In 1960 it was shifted to a 167 acre land now called the North campus of Andhra University. Over the years, the Andhra University College of Engineering grew from strength to strength and at present offers 17 UG and 42 PG Programs.

ABOUT THE DEPARTMENT:


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Vice-Chancellor
Andhra University

PATRON:

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Principal
A.U.College of Engineering (A)

CHAIRMAN:

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A One day
WORKSHOP
On
FINITE ELEMENT ANALYSIS,
QUALITY & RELIABILITY
(FEAQR – 2013)

16th December 2013
(Sponsored by TEQIP-II)

Department of Mechanical Engineering
Andhra University College of Engineering (A)
Visakhapatnam-530 003
Andhra Pradesh

Coordinator
Dr. K.T. BALARAM PADAL
Associate Professor
Department of Mechanical Engineering
Andhra University College of Engineering (A)
Andhra University
About the Workshop

This course is intended to provide Engineers/Scientists working in academia as well as in industries with the theory of the finite element method and its use in the solution of problems from solid and structural mechanics, fluid mechanics and heat transfer. The present workshop is designed to bridge the gap between the theoretical finite element knowledge and its industrial applications by providing sufficient insights into the relationship between the physical data (e.g., loads, boundary conditions, constitutive behavior, etc) and the finite element model. The workshop also intends the participants by providing an integrated approach to quality specifications, quality control, monitoring, and reliability.

Resource Person

Tirupathi R. Chandrupatla, Ph.D., P.E., CMfgE
Professor and Founding Chair
Department of Mechanical Engineering
College of Engineering, Rowan University
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About Author

Tirupathi R. Chandrupatla has been a Professor and Founding Chair of Mechanical Engineering at Rowan University, Glassboro, New Jersey since 1995. He did his B.Tech (Mechanical Engg.) from Osmania University. He received his M.S. degree in Design and Manufacturing from Indian Institute of Technology, Bombay, and his Ph.D. from the University of Texas at Austin. He began his career as a Design Engineer with Hindustan Machine Tools (HMT), Bangalore. His first teaching post was at I.I.T., Bombay. He has also taught at the University of Kentucky, and GMI Engineering and Management Institute (Kettering University), before joining Rowan University. Chandrupatla is author of Introduction to Finite Elements in Engineering, Finite Element Analysis for Engineering and Technology. He also authored Optimization Concepts and Applications in Engineering. The first book has been translated into Spanish, Korean, Greek, and Chinese languages. Chandrupatla's research interests include design, optimization, manufacturing engineering, finite element analysis, and quality and reliability. He published widely in these areas and serves as a consultant to industry. Chandrupatla is a registered Professional Engineer and also a Certified Manufacturing Engineer. He is a member of CASA, ASME, SAE, and SME.

Benefits of Attending the Workshop

Persons who attend the course should benefit in strengthening their background in the following areas:
• A strong understanding of the formulative steps involved in the finite element model development of problems from the basic level.
• Generation of finite element data (e.g., selection of elements and mesh, computation of nodal forces), imposition of boundary conditions, post-computation of stresses and strains, etc.), exploitation of problem symmetries and a brief presentation of the programines.
• Introduction to optimization aspects in engineering.
• Basis of Quality, Distribution and introductory topics.
• Sampling Techniques and Statistical Process Control
• Reliability evaluation and predictions, economics of reliability, reliability management and testing.
• System reliability estimation for time independent and failure dependent models, parameter estimation and helping Engineers create a reliable design.

Registration Details:

Students (AUEC) : Rs. 200/-
Students (External) : Rs. 300/-
Faculty (External) / Research Scholars : Rs. 500/-
Participants from Industry/R & D : Rs. 1000/-

Last Date for Registration: 10th, December, 2013
DD/Cheque in favour of “Coordinator FEAQR 2013” Payable at Visakhapatnam

One day Workshop on

FINITE ELEMENT ANALYSIS, QUALITY & RELIABILITY
(SPONSORED by TEQIP-II)

REGISTRATION FORM

Name : 
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I would like to participate as a dologato. I am enclosing a demand draft payable to the Coordinator, FEAFR-2013 Department of Mechanical Engineering, AUEC (A) Visakhapatnam dated…………………… for Rs……………………………..(in words) towards the registration fee for FEAFR-2013.

Signature

ADDRESS FOR CORRESPONDANCE

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