P. R. V. Krishna Mohan Reddy

Education

1983 - 1987

Kakatiya Institute of Technology and Science, Warangal

- Bachelor of Technology (B.Tech) (Mechanical Engineering)

1987 - 1989

IIT Roorkee, Roorkee

- Mater of Technology (M.Tech) (Machine Design)
- Specialisation in Fracture Mechanics and Testing

1989 – 1993

IIT Madras

Research Scholar

CENTRE FOR INDUSTRIAL CONSULTANCY AND SPONSORED RESEARCH

- Senior Project Officer Grade
- Design and installation of Superplastic forming facility at the Materials Processing Division of Vikram Sarabai Space Centre, Thiruvanantapuram.
- ***Received CDC National award for consultancy services, 1993. Consultancy Development Centre, Ministry of Science and Technology, Government of India***

2002 – 2006

Institute for Nondestructive Testing, IZFP, Fraunhofer Society, Saarbruecken, Germany and University of Saarbrucken, Germany

Research Scholar

- Developed a technique called Sampling Phased Array in the field of Ultrasonics
- **6 patents in the domain of Sampling phased array approved**
- **2 further patents applied for**

Employment

2000 – present

Lucid Software Limited, Chennai

- Director Lucid

Nature of Assignments

- Promoted Lucid Software Limited
- CEO of Lucid Software Limited since Apr 2005
- CTO since 2000

1994 – 2004

European Testing Products and Services Pvt. Ltd.

- Director ETPS
- Established a material testing facility for destructive and non-destructive testing.
- Started software division for engineering related activities
- Developed software for Ultrasonic testing system
- Developed software for Eddy Current testing system

Professional memberships and other qualifications

Member – American Society for Nondestructive testing
Member - Indian Society for Nondestructive testing
Level III Ultrasonic testing, ISNT
Level II Radiegraphic Testing

Se;lect Patents

- Verfahren zur zerst rungsfreien Untersuchung eines Pr fk rpers mittels Ultraschall. Deutsche Patentanmeldung Nr. 10 2004 059 856.8-52, 18.06.2004.
- Bildgebende Ultraschallprufvorrichtung Sampling Phased Array , Patentanmeldung, FPL-Fallnummer 05F46414-IZFP, 22. Juni 2005.
- Ultraschallpruftechnik TOMO-SAFT. Patentanmeldung, IZFP, FPL-Fallnummer 05F46514-IZFP, 29. Juli 2005Ultraschallpruftechnik Inverse Phasenanpassung. Patentanmeldung, IZFP, FPL-Fallnummer 05F46601-IZFP, 08. September 2005.

Select Publications

- Sampling Phased Array: A new method of signal processing and image reconstruction in ultrasonic non-destructive testing
- Feature Extraction of Multi-Frequency Eddy Current Signal for Defect Classification in steam generators tubes – NDE – 2005
- Automated Segmentation & Interpretation of defects from Ultrasonic Phased Array sector scan images – NDE – 2005
- NDT – Techniques for Life Time Assessment of Components in Service – An International Cooperative Approach – NDE –2002