

Kalpakkam & Chennai Chapters of
The Indian Institute of Metals
Cordially invite you to

Dr. Placid Rodriguez Memorial Lecture - 2020



05.10.1940 -31.08.2008



Metallurgy
Materials Engineering

by

Dr. Surya R. Kalidindi

Regents Professor and Rae S. and Frank H. Neely Chair Professor
Interim Director, Novelis Innovation Hub,
Georgia Institute of Technology, Atlanta, USA

On

Accelerated Materials Innovation Using Knowledge Systems and High- Throughput Experiments

Chief Guest

Dr. V. Jagadeesh Kumar

Dean (Academic Courses), IIT Madras

on

29th October, 2020 (Thursday) at 16.30 hrs

in

Online, IITM Meet

Live YouTube link - <https://youtu.be/go1kCcdnHP8>

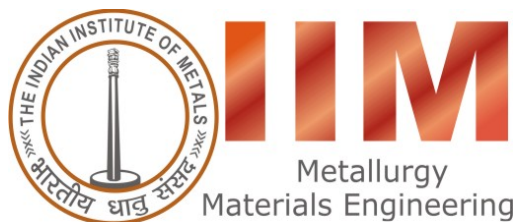
-PRML Committee

Dr. Placid Rodriguez Memorial Lecture

Organised by Kalpakkam & Chennai Chapters of
The Indian Institute of Metals



05.10.1940-31.08.2008



To perpetuate the strong scientific spirit and the value system which Dr. Placid Rodriguez practiced during his life time, “Dr. Placid Rodriguez Memorial Lecture” was instituted by The Indian Institute of Metals (IIM), in 2009, under the pioneering leadership of [Late] Dr. Baldev Raj, then Director, NIAS, Bangalore and former President, IIM. Since then, this event is being organised annually by the Kalpakkam and Chennai chapters of The IIM.

Previous Placid Rodriguez Memorial Lectures have been delivered by

- ❖ Prof. Atul Chokshi, Indian Institute of Science, Bangalore (2009)
- ❖ Prof. Seeram Ramakrishna, National University of Singapore (2010)
- ❖ Dr. Srikanth, Director, NML, Jamshedpur.(2011) and
- ❖ Prof. B.S. Murty, IIT, Madras (2012)
- ❖ Prof. Indranil Manna, Director, IIT Kanpur (2013)
- ❖ Dr. Amol A. Gokhale, Director, DMRL Hyderabad (2014)
- ❖ Dr. G. K. Dey, Associate Director, Materials Group, BARC, Mumbai (2015)
- ❖ Dr. A.K. Bhaduri, Director, IGCAR, Kalpakkam (2016)
- ❖ Dr. U. Kamachi Mudali, Chairman & Chief Executive, HWB, Mumbai (2017)
- ❖ Dr. Samir V. Kamat, Director General, Naval Systems and Materials, DRDO(2018)
- ❖ Shri. S. Somnath, Director, VSSC, ISRO, Trivandrum (2019)

Dr. Placid Rodriguez, born in Quilon, Kerala on October 5, 1940, obtained his B.Sc. from Kerala University, B.E.(Metallurgy) from the Indian Institute of Science, Bangalore, M.S. from University of Tennessee, USA, Ph.D. from IISc and MBA from IGNOU. He joined the Department of Atomic Energy in 1960 and moved to The Indira Gandhi Centre for Atomic Research, (then known as Reactor Research Centre) in 1974. He established one of the leading metallurgical research laboratory at Kalpakkam. He was Director of IGCAR, Kalpakkam from 1992 to 2000. Subsequently he served as the Chairman, Recruitment and Assessment Centre, DRDO, Delhi and Raja Ramanna Fellow and AICTE-INAE Distinguished Visiting Professor at IIT, Madras.

Dr. Placid Rodriguez had an exemplary career of four decades, leading research in metallurgy, materials development for fast reactor programme of our country, shaping up human resources in defence programme and academic institutions. Dr. Placid Rodriguez has been a member of Editorial Board of several reputed international journals in Metallurgy and Materials Science and was the Chief Editor of Transactions of The Indian Institute of Metals. Dr. Placid Rodriguez served as the President of many leading national, professional institutes. Dr. Placid Rodriguez has been a recipient of many national and international awards. He has been a Fellow of many prestigious Academies of our country.

Dr. Placid Rodriguez passed away in Chennai on 31st August, 2008.

Curriculum Vitae



Dr. Surya Kalidindi is a Regents Professor and Rae S. and Frank H. Neely Chair Professor in the George W. Woodruff School of Mechanical Engineering with joint appointments in the School of Computational Science and Engineering and the School of Materials Science and Engineering at Georgia Institute of Technology, Georgia, USA. Additionally, he also serves as the interim Director for the newly established Novelis Innovation Hub at Georgia Tech. Surya earned a B.Tech. in Civil Engineering from the Indian Institute of Technology, Madras, an M.S. in Civil Engineering from Case Western Reserve University, and a Ph.D. in Mechanical Engineering from the Massachusetts Institute of Technology. After his graduation from MIT, Surya joined the Department of Materials Science and Engineering at Drexel University as an Assistant Professor, where he served as the Department Head during 2000-2008. Under his leadership, the department experienced tremendous growth and was ranked 10th nationally among Materials Science and Engineering programs by Academic Analysts in 2006. During 2009-2011, Surya served as the Department Head of Mechanical Engineering at Drexel University. Surya accepted his current position in 2013. Surya's research efforts have made seminal contributions to the fields of crystal plasticity, microstructure design, and materials informatics. Surya has been elected a Fellow of ASM International, TMS, and ASME. In 2016, he and his group members have been awarded the top prize as well as one of the runner-up prizes in the national Materials Science and Engineering Data Challenge sponsored by the Air Force Research Lab in partnership with the National Institute of Standards and Technology and the U.S. National Science Foundation. He has also been awarded the Alexander von Humboldt Research Award, the Vannover Bush Faculty Fellow, the Government of India's Vajra Faculty Award, and the Khan International Award. Surya has authored two books, two edited volumes, eight book chapters, and over 250 articles in archival journals. His work currently enjoys a h-index of 77 (as per Google Scholar). He has advised over 90 graduate students and many undergraduate students in research.

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PROGRAMME

Date : 29th October, 2020 [Thursday]
Venue : Online by IITM
Time : 16.30 hrs
YouTube live link : <https://youtu.be/go1kCcdnHP8>

Welcome Address

Dr. T. Sundararajan
Chairman, IIM Chennai Chapter
Wheels India Ltd, Chennai

About Dr. Placid Rodriguez Memorial Lecture Series

Dr. M. Kamaraj
Member, PRML Committee
Dept. of Metallurgical & Materials Engg., IIT Madras

Chief Guest Address

Dr. V. Jagadeesh Kumar
Dean (Academic Courses),
IIT Madras

Address

Dr. Shaju K. Albert
Chairman, PRML Committee
Director, MMG
IGCAR, Kalpakkam

Introducing PRML Speaker

Dr. Divakar R.
Chairman, IIM Kalpakkam Chapter &
Associate Director, MEG, MMG, IGCAR

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Dr. Surya R. Kalidindi
Regents Professor and Rae S. and Frank H. Neely Chair
Professor Interim Director, Novelis Innovation Hub,
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***“Accelerated Materials Innovation Using
Knowledge Systems and High-Throughput
Experiments”***

Vote of thanks

Dr. Rani P. George
Convener, PRML 2020 &
Head, SMCS/CSTD, IGCAR, Kalpakkam

PRML Committee