

## Obituary

### Prof. KN Seetharamu



**(August 22, 1939- 2022)**

Prof KN Seetharamu, Chair Professor in Thermal Engg., Dept of Mechanical Engg., PESIT, Bangalore and former Professor, IIT Madras born on August 22, 1939 passed away in January 2022. Prof K.N Seetharamu graduated from Mysore University in Mechanical Engineering in the year 1960. He obtained his Masters Degree in Power Engineering in the year 1962, from Indian Institute of Science, Bangalore. He obtained his doctoral degree in 1973, in the field of heat transfer from Indian Institute of Technology, Madras. His doctoral thesis was judged as one of the excellent theses by Prof. Rohsenow from MIT, a world-renowned person in the field of heat transfer. He had an industrial experience of more than 3 years (Oct. 1962 - Dec. 1965) in a paper mill before he joined the academic life. He served BIT Ranchi as an Assistant Professor from 1965-1968. He joined Indian Institute of Technology, Madras in the year 1968, as a lecturer and rose to the level of Professor in the year 1980. He joined the School of Mechanical Engineering, University Science Malaysia as a Professor in the year 1996 on invitation. He took voluntary retirement from IIT Madras in September 1998 to continue his assignment at University of Science Malaysia.

His areas of interest were heat transfer, fluid flow, stress analysis, energy systems, electronic packaging, and FEM applications to engineering problems. He was also working on the application of ANN and GA for optimization problems. He had contributed extensively in the areas of Porous Medium, Heat Exchangers, Thermal Management in Electronic Systems etc. He was active in the application of FEM to CFD and Financial Problems. Prof. Seetharamu had supervised 30 students for Ph.D Degree and 32 students for Masters Degree by research. 18 students had completed their Masters Degree by research in the area of electronic packaging. He had published a large number of research papers in peer reviewed journals and books on “FEM Applications to Heat Transfer”, published by John Wiley in 1996 along with co-authors from UK; “Fundamentals of FEM in Heat and Fluid Flow” through John Wiley in April 2004 and “Engineering Fluid Mechanics” with Prof. PA Aswatha Narayana in June 2004. He had carried out many national and international collaborative projects. He had also contributed a chapter on thermal management in the book “Fundamentals of Microsystems Packaging” edited by Rao Tummala and published by McGraw-Hill in 2001; chapters in “Modeling in Welding, Hot Powder Forming, and Casting” book edited by Lennart Karlsson, published by American Society of Metals in 1997; and a chapter in the book “Handbook of Residual Stress and Deformation of Steel” published by ASM in 2002. Prof. Seetharamu established IMAPS Malaysia Chapter in the year 1998 and IEEECPMT Malaysia Chapter in the year 2000 and continued to be active in this area. Prof Seetharamu was also active in offering continuing education programs to multi-national companies like Agilent, Intel, AMD etc. on the applications of Finite Element Method to electronic packaging as well as Thermal Management in Electronic Systems. He had joined PES Institute of Technology, Bangalore as a Chair Professor in Thermal Engineering in August 2007.

May God bless his soul to Rest in Peace