



INTERNATIONAL CONFERENCE
as a part of Centenary
Celebrations of
Prof. V. Lakshmikantham

(16th March 1923-16th March 2023)

on
LATEST ADVANCES,
CONTRIBUTIONS & APPLICATIONS
IN NONLINEAR ANALYSIS
(LACANA)

13th to 16th MARCH 2024
Organized by

G.V.P. Prof. V. Lakshmikantham Institute for
Advanced Studies (GVP-LIAS)

&

Gayatri Vidya Parishad College of Engineering (Autonomous)
in association with

International Federation of Nonlinear
Analysts (IFNA)

Venue:

Gayatri Vidya Parishad College of Engineering
(Autonomous)

Madhurawada, Visakhapatnam AP India



Prof. Dr. V. Lakshmikantham
Founder, Director of GVP-LIAS
Founder, President IFNA
(1924 – 2012)

Professor V. Lakshmikantham having reached UCLA, USA in 1960 accepting a fellowship offered by Professor Earl Coddington. He wrote thirty research papers in three years and gained recognition. He popularized the Lyapunov method and his own work in differential inequalities. He visited the University of Wisconsin, Madison, RIAS, Baltimore, and the University of Calgary in Canada. He spent a year in each of these places. Later, Professor Lakshmikantham worked in Dept. of Mathematics at the University of Rhode Island, Kingston, R.I. Next as Professor and Head of the Department Mathematics at University of Texas, Arlington (1973-1989), then at the Florida Institute of Technology, Melbourne, Florida (1989-2009).

Having travelled throughout the world, lecturing in nearly all institutions where there is research in differential equations and/or nonlinear analysis, he met many young researchers and experienced scientists. He has encouraged each one to achieve their potential and helped them in many ways. The number of publications (600+) with different joint authors and research monographs (50+) with various collaborators, as well as the number of journals for which he is a member of the editorial board, all bear testimony to his generosity and all encompassing compassion in promoting talent.

GVP-Prof.V.Lakshmikantham Institute for Advanced Studies (GVP-LIAS):

GVP-Prof. V. Lakshmikantham Institute for Advanced Studies (GVP-LIAS) since its inception in 2007 took active part in supporting and promoting the ideas of Prof. V. Lakshmikantham. The institute uses its sphere of influence and helps to bring resource persons from various parts of the world. It believes in cooperation and works in collaboration with the Department of Mathematics, in particular all engineering departments and GVP-Institutions. Three funded research projects, "A Qualitative study of Set Differential Equations Involving Causal Operators with Memory" (DST), "A Qualitative Study of Graph Differential Equations and Matrix Differential Equations" (NBHM) and "A Computational Study of Fractional Differential Equations" (DST). At least 20 books have been completed by the members of GVP-LIAS since its inception. This includes textbook, scientific research monographs, felicitation volumes, and proceedings of the conferences as well as books published in native languages Telugu and Marathi. LIAS has organized many national conferences and four international conferences, titled RAMSA (2009, 2013, 2017 and 2021). GVP-LIAS is organizing various events during the centenary year of Prof. V. Lakshmikantham.

Gayatri Vidya Parishad College of Engineering (Autonomous) (GVPCE(A))

Gayatri Vidya Parishad (GVP) was established in 1988 as an educational trust by a group of eminent educationists, academicians, industrialists, and those with a touch of human values to empower the young generation with a high-quality technological education.

The engineering education by GVP society was established. By an GVP College Of Engineering in the year 1996 with the divine blessings of Sadguru Sri K. Sivananda Murthy garu.

Under the leadership of Prof. Dr. Ing. P. S. Rao, former Professor & Dean of Industrial Consultancy and Sponsored Research, IIT Madras, GVPCE(A) was initially started 4 B. Tech programs with an initial intake of 200.

Now the college is offering 10 B. Tech programs and 9 M. Tech and 1 M.C.A program with a total intake of 1362 students. The college is accredited by NBA of AICTE and accredited by NAAC with 'A' grade with CGPA Of 3.47/4.00. Autonomous status was recommended by UGC and conferred by JNTU-K in the year 2009.

The institute reached another mammoth milestone by receiving fund to the tune of Rs 4 crore under sub-component 1.2 of Technical Education Quality Improvement Program Phase II (TEQIP-II) for Scaling-up PG Education and demand-driven Research & Development and Innovation in the country.

It is recognized by Indian Society for Technical Education as "The Best Engineering College" of Andhra Pradesh and Telangana States.

The college boasts of an established Skill Development Centre with 6 Laboratories in tandem with APSSDC and Siemens and a dedicated Incubation Centre with 10 start-ups at work under Centre for Innovation

Objective:

The objective of the conference is to bring together researchers of various fields in Engineering and Science onto a common forum to recognize the interrelations and interconnections among diverse subjects on the basis of non-linearity that exists everywhere and enable scientists from every discipline to be benefited from the experiences & their counter parts in other disciplines. Further this conference celebrates the centenary birth anniversary of Prof. V. Lakshminantham.

Theme:

The theme of the conference is to promote and encourage collaborative and interdisciplinary research among faculty belonging to various engineering disciplines and mathematical sciences.

Submission Details

Deadline for submitting Title and Abstract	15th February 2024
Notification of schedule	3rd March 2024
Submission for paper	10th March 2024
Camera copy	10th March 2024

Registration Details

Delegates	Early bird (Before 1 st Feb 2024)	Late reg (1st Feb 2024)
International	USD 150	USD 170
Industrial	RS 3000 /-	RS 4000 /-
Academics	RS 2000 /-	RS 3000 /-
Research Scholars and Students	RS 1000 /-	RS 1500 /-

Patrons and Advisory board

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Thrust Areas (Topics to be covered):

Non-Linear Analysis, Discrete Mathematics,
Mathematical Modelling, Numerical Methods,
Computational Methods,
Fixed Point Theory,
Partial Differential equations,
Fractional Differential Equations.

***The Thrust Areas are not limited to the above-mentioned areas of study only**

Publication of Proceedings:

After paper presentation, peer reviewed papers will be published in seopus indexed and DCDIS (Dynamics of Continuous Discrete and Impulsive System) journal, with an approximate charge of USD 35 \$

For Further details, Contact:

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Conference Link: <https://www.gvpce.ac.in/lias/lacana.pdf>