Syam Prasad Kuncham has submitted an application for conference support.

Application data

Contact 1:

Last name: Kuncham
First name: Syam Prasad
Mail: syamprasad.k@manipal.edu
Phone: +91 9343858266
Fax: +91 820 2571071
Institution: Manipal Institute of Technology, Manipal University
Department: Mathematics
Country: India
State: Karnataka
City: Manipal
Postal code: 576104

Full mailing address:

Department of Mathematics
Manipal Institute of Technology,
Manipal University
Manipal - 576 104
Karnataka
India

Contact 2:
------------------------------------
Last name: Kedukodi
First name: Babushri Srinivas
Mail: babushrisrinivas.k@manipal.edu
Phone: +91 9740557439
Fax: +91 820 2571071
Institution: Manipal Institute of Technology, Manipal University
Department: Mathematics
Country: India
State: Karnataka
City: Manipal
Postal code: 576104
Full mailing address:
Department of Mathematics
Manipal Institute of Technology,
Manipal University
Manipal - 576 104
Karnataka
India

Conference name: 24th International Conference on Nearrings, Nearfields and Related Topics
Duration: 2015-07-05 - 2015-07-12
Amount of support requested: 2500
Description:
List of confirmed Plenary / Invited Speakers

Günter Pilz, Institute for Algebra, Johannes Kepler University, Austria

John D P Meldrum, University of Edinburgh, Scotland, United Kingdom
Peter Mayr, Institute for Algebra, Johannes Kepler University, Austria

Gary F. Birkenmeier, University of Louisiana at Lafayette, USA
Booth G L, Nelson Mandela Metropolitan University, South Africa
I. B. S. Passi, Indian Institute of Science Education and Research Mohali (IISER), India
Sudhir R. Ghorpade, Indian Institute of Technology Bombay (IIT Bombay), India
Gerhard Wendt, Institute for Algebra, Johannes Kepler University, Austria

Bhavanari Satyanarayana, Acharya Nagarjuna University, India
Nico Groenewald, Nelson Mandela Metropolitan University, South Africa
Wen Fong Ke, National Cheng Kung University, Taiwan
Stefan Veldsman, Nelson Mandela Metropolitan University, South Africa
Stuart D. Scott, University of Auckland, New Zealand
Ambedkar Dukkipati, Dept. of Comp.. Sci. & Automation, Indian Inst. of Sci.(IISc), India
Shankar B R, National Institute of Technology Karnataka (NITK), India
Davvaz Bijan, Yazd University, Iran
Ayman Badawi, American University of Sharjah, UAE
Juglal S., Nelson Mandela Metropolitan University, South Africa
Rajan A. R., University of Kerala, India
Momme Johs Thomsen, Universitaet der Bundeswehr, Germany
Scientific Program of the Conference:

The majority of the topics to be discussed during the conference are:

a) Finite fields and Nearfields
b) Modules over associative rings
c) Connections to algebra and analysis,
d) Nearring Theory and automata theory,
e) Planar nearrings-balanced incomplete block designs (BIBDs)
f) Combinatorial designs using nearfields
g) Entire solution of the n-gen problems
h) Gamma nearrings
i) Baer Nearrings
j) Radical theory of rings and nearrings
k) Nearrings of Continuous mappings
l) Semigroup automata
m) Matrix nearrings, Group Nearrings

Scientific Importance

a) Planar nearrings are useful to develop several balanced incomplete block designs (BIB designs)
b) Efficient error-correcting codes (linear as well as non-linear) are obtained from nearrings.
c) Well-known concepts of geometry like collineation, dilatation, translation etc. are handled with the help of nearrings giving rise to a “dictionary” between geometry and group theory.

d) One of the applications of group theory is in the study of symmetry. Conservation laws of physics are related to the symmetry of physical laws under various transformations. There are several results which explain how conservation laws of physical systems arise from their symmetries.

e) Non-linear transformations were handled using algorithms involving nearring generators wherein group theoretical algorithms could not be applied.

f) The GAP package SONATA stands for systems of nearrings and their applications. The SONATA package provides (i) methods for the construction and analysis of finite nearrings, (ii) methods for constructing all endomorphisms and all fixed-point-free automorphisms of a given group, (iii) constructing the nearring of polynomial functions of the group, (iv) Constructing the functions to obtain solvable fixed-point-free automorphism groups on abelian groups, nearfields, planar nearrings, as well as designs from those, etc.

Objectives of the conference:

• To discuss new ideas, share results and identify new trends in nearrings and related topics in algebra.

• To demonstrate the links between nearrings and other algebraic structures with the help of special plenary sessions on algebra.

• To provide a platform to young researchers to meet eminent researchers in the field and present their ideas.

• To discuss the recent unsolved problems in the related fields and facilitate the young researchers to get acquaintance with eminent speakers.

• To discuss / demonstrate one of the major breakthrough research problems ‘Entire solution of the n-gen problems’.

Neighboring countries context:

This conference provides an opportunity of participation for the researchers in neighboring countries like Nepal, Bhutan, Myanmar, Bangladesh, UAE, Sri Lanka, etc. African countries Nigeria, South Africa, Botswana, and South East Asian Countries. Few speakers from these countries have shown their interest in the 24th International Conference on Nearrings, Nearfields and Related Topics, as this conference gives them an unique opportunity to meet and interact with eminent researchers working in the area of nearrings and related algebraic structures.
Technical Program with session / parallel session wise details

SCS: Short Communication Sessions

Tentative schedule / details confirmed Plenary / Invited talks:

06-July, 2015                                  Day – 1

<table>
<thead>
<tr>
<th>Session</th>
<th>Name of the Speaker</th>
<th>Broad topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plenary – 1</td>
<td>Günter Pilz</td>
<td>Nearrings and some of its applications</td>
</tr>
<tr>
<td>Plenary – 2</td>
<td>I B S Passi</td>
<td>Matrix group rings and geometric group theory</td>
</tr>
<tr>
<td>Invited – 1</td>
<td>Davvaz Bijan</td>
<td>Hyper structures and Nearrings</td>
</tr>
<tr>
<td>Invited – 2</td>
<td>Ayman Badawi</td>
<td>phi-Dedekind rings and phi-Krull rings</td>
</tr>
<tr>
<td>Invited – 3</td>
<td>Momme Johs Thomsen</td>
<td>Loop Nearrings</td>
</tr>
</tbody>
</table>

Short Communication Session – 1

07-July, 2015                                  Day – 2

| Plenary – 3 | Sudhir R. Ghorpade | Commutative rings and geometry |
| Plenary – 4 | John D P Meldrum | Nearrings and their links with groups |
| Invited – 4 | Mark Farag | Nearrings of Lipschitz functions |
| Invited – 5 | Mohammad Ashraf | Derivations in commutative nearrings |
| Plenary – 5 | Stuart D. Scott | Entire solution to n-gen problem |
| Invited – 6 | Juglal S. | Modules over Group Nearrings |

Short Communication Session – 2
08-July, 2015                                  Day – 3
Plenary – 6 Peter Mayr
Group theory, universal algebra, and their connections
Plenary – 7 Gary F. Birkenmeier  Quasi-Baer rings
Invited – 7 Kent Neuerburg  Zero-divisor graphs of Nearrings and Semigroups
Short Communication Session – 3

09-July, 2015                                  Day – 4
Plenary – 8 Booth G L  Nearrings of continuous functions and topological groups
Invited – 8 Rajan A. R.  Semigroup automata
Plenary – 9 Bhavanari S.  Dimension of Modules over rings and Nearrings
Short Communication Session – 4
Plenary – 10 Gerhard Wendt
Matrix maps and planar nearrings
Short Communication Session – 5
Plenary – 11 Nico Groenewald  Ideal Theory in Nearrings

10-July, 2015                                  Day – 5
Plenary – 12 Wen Fong Ke  Planar Nearrings
Plenary – 13 Stefan Veldsman  Radicals of Nearrings, Nearrings of continuous functions
Short Communication Session – 6 / Poster Session
Short Communication Session – 7 / Poster Session
Plenary – 14 Ambedkar Dukkipati  Grobner bases
Plenary – 15 Shankar B R  Finite Fields and applications

11-July, 2015                                  Day – 6
Short Communication Session – 8 / Poster Session
Level of activity:

- The plenary talks are likely at the advanced level covering new concepts, results; explore the open problems and several characterizations.
- Few invited talks are at the introductory level with extensive coverage of the application domain.
- Short communications stretches participants to explore their research and interacting with eminent experts.
- The participants likely to attend the conference are the post graduate level, research scholars with mathematics background.
- Academicians from the Universities, Research centres are likely to attend the conference and present their recent work.
- There is an opportunity for the participants to get acquaintance with introductory level of the new research areas in algebra.

Follow-up activity:

- There is a virtuous practice that the proceedings of the conference are published by the prominent publishers like Springer, Elsevier, Narosa etc. The proceedings contain original full research articles of plenary talks, invited talks, short communications, after its peer review by an editorial expert committee. The copies of the published proceedings are then sent to the participants, scientific libraries, research centres etc.
• We also plan to have lecture notes in the form of proceedings of the 24th International Conference on Nearrings, Nearfields and related topics, soon after the conference. This will be a discussion point during the business meeting of the conference.

Effort to encourage the formation of scientific network:

The Institute of Algebra Johannes Kepler University is a centre for Nearrings research in Austria. The Institute of Algebra Austria periodically publishes the nearrings newsletter. The newsletter contain the recent abstracts of the conference, details of the recently published papers, abstract of the theses, monographs, text books and related updates of nearrings, nearfileds, and related topics. Similar to the Institute of Algebra (Johannes Kepler University, Austria), the conference will help us to form a regional interactive group in India on nearrings (which as of now does not exist in India). We will have a public lecture by one of the eminent speakers and a discussion session for the development of the field. We will put special efforts towards achieving these goals.

Letter of request:

March 4, 2015

To

International Mathematical Union

Sub: Request for the conference support to conduct the 24th International Conference on Nearrings, Nearfields and Related Topics – Regarding.

Respected Sir / Madam,

We are happy to inform you that the 24th International Conference on Nearrings, Nearfields and Related Topics will be held during 05 -12, July 2015 at Manipal Institute of Technology, Manipal University, Manipal, India. The conference URL is http://conference.manipal.edu/nearrings2015/.

Starting from the year 1968, nearring conferences are held approximately every two years. The present conference is the 24th international conference. Previously, the conferences were held in countries namely Germany, Italy, USA, UK, Canada, South Africa, Austria etc. In Asia, the conference took place earlier in India (in the year 1985) and in Taiwan (in the year 2005). Hence we wish to encourage participation not just from India but even from the neighboring countries, African
countries, and South East Asian Countries. This will require some financial support from International Organizations like IMU. Hence we request you to kindly consider the application for the conference grant. The grant provided in any form will be of great help for encouraging wide participation from different countries and will contribute towards the success of the event. We will happily acknowledge the grant in all possible ways including abstract booklets, conference material, conference website, etc.

We look forward for your kind encouragement and support.

Yours sincerely,

Kuncham Syam Prasad
Chairperson, Scientific Committee & Co-Convener

Kedukodi Babushri Srinivas
Convener & Member Scientific Committee

Harikrishnan Panackal
Member Scientific Committee & Co-Convener

Budget:

------------------------------------

List of supporting organizations: Applications submitted to:

National Board for Higher Mathematics (Govt. of India) 1500 EUR
Department of Science and Technology (Govt. of India) 1000 EUR
Council of Scientific and Industrial Research (National Board for Higher Mathematics (Govt. of India)
1000 EUR

Number of participants ...:

Number of Participants: 200
Number of Speakers: 26

Travel: Plenary / Invited Speakers will be provided partial travel grant depending upon funding.

Accommodation: Accommodation will be provided in the University Campus for all the participants at concessional rates by Manipal University. For selected speakers / participants, the accommodation charges will be sponsored based on the funding.

Local transport: Will be sponsored by Manipal University

Proceedings: We plan to have the conference proceedings

Material / Publicity: Will be sponsored by Manipal University

Total conference budget (in EUR): 12000

Amount requested from the CDC (in EUR): 2500

Statement on the intended use of this amount:

We plan to provide partial sponsorships (travel / accommodation) for those speakers / participants who do not have any source of funding.

Travel grant: 1500 EUR
Accommodation: 1000 EUR

Received IMU Support:

We and our Institute have not received any IMU support before.
Knowledge of program:

We have attended and presented papers at

ICM 2010 held at Hyderabad, INDIA

ICM 2014 held at Seoul, South Korea.

We have heard about the grant program during the official address by IMU President at ICM 2010, ICM 2014 as well as during the discussions with IMU officials.


Name: **KUNCHAM SYAM PRASAD**

**Total Teaching / Research Experience**
17 Years  
(of which 11 yrs. and 7 months in MIT Manipal)

**Number of Ph. D.’s Guided / Ongoing:**
Awarded: 1, Ongoing: 2

**Present Designation:** Associate Professor – Senior Scale

**Present Official Address:** Department of Mathematics, Manipal Institute of Technology, Manipal University

**Residential Address:** A1-42, New Flats Shreyas I, MIT Quarters, Manipal

**Date of Birth:** 30-05-1970

**Educational Qualifications:**
- M. Sc. (Mathematics)
- B. Ed. (Mathematical Sciences)
- M. Phil. (Graph Theory)
- Ph. D. (Algebra/Graph Theory)
- Post-Doctoral-CSIR (Extended SRF-CSIR)

**Fellowships:**
- CSIR-SRF-Extended (2000-2001)

**Title of Ph.D. Thesis:** Contributions to Near–Ring Theory –II

**Title of M. Phil. Thesis:** An Isomorphism Theorem on directed Hypercubes of Dimension n.

**Awards / Prizes:**
1. Gold Medal -University First Rank in M. Sc.
2. Indian Mathematical Society (National Level)–Prize, Citation for the Year 2000-Best Research Paper in Algebra.
3. CSIR-Senior Research Fellowship Award-1997.
4. CSIR-Senior Research Fellowship (Post-Doctoral) Award-2000.
7. ICM 2010 FULLY SPONSORED BY NBHM (GOVT OF INDIA)
8. Travel Grants availed from CSIR, AICTE, INSA, DST, DAE.
9. Full Sponsorship by NBHM to participate ICM 2010, Hyderabad
10. Incentives for Excellence in Research by Manipal University, 2011.
11. ICTP (International Centre for Theoretical Physics), Travel support for attending the International Conference at Turkey (2013).
### Abroad Visits (Academic):

<table>
<thead>
<tr>
<th>Place / Country</th>
<th>Year</th>
<th>Purpose of the Visit</th>
<th>Financial support</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alabama (USA)</strong></td>
<td>1999</td>
<td>Delivered a talk at the International Conference on Combinatorics and related areas.</td>
<td>CSIR</td>
</tr>
<tr>
<td>University of South Alabama</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Hamburg GERMANY</strong></td>
<td>2003</td>
<td>Delivered a talk at the 18th International Conference on Nearrings &amp; Nearfields.</td>
<td>AICTE, INSA</td>
</tr>
<tr>
<td>Universitat der Bundeswehr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Budapest (HUNGARY)</strong></td>
<td>2003</td>
<td><strong>Joint Research Program</strong> at the A. Renyi Institute of Mathematics, Hungarian Academy of Sciences, for 3 weeks.</td>
<td>AICTE, INSA</td>
</tr>
<tr>
<td>Hungarian Academy of Sciences</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Taipei (TAIWAN)</strong></td>
<td>2005</td>
<td>Presented a talk at the 19th International Conference on Nearrings &amp; Nearfields.</td>
<td>DAE (NBHM), DST</td>
</tr>
<tr>
<td>National Cheng-Kung University</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Singapore</strong></td>
<td>2005</td>
<td>Scientific / Research Discussions in the Department of Mathematics.</td>
<td>DAE (NBHM), DST</td>
</tr>
<tr>
<td>National University of Singapore</td>
<td></td>
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<tr>
<td><strong>Kyiv (UKRAINE)</strong></td>
<td>2006</td>
<td>Presented a talk at the International Conference on Radicals.</td>
<td>Partial support: NTS University, Kyiv, Ukraine</td>
</tr>
<tr>
<td>National Taras Shevchenko University</td>
<td></td>
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</tr>
<tr>
<td><strong>Linz (AUSTRIA)</strong></td>
<td>2007</td>
<td>Presented a talk at the 20th International Conference on Nearrings and Nearfields.</td>
<td>CSIR, AICTE</td>
</tr>
<tr>
<td>Johannes Kepler University</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Bangkok (THAILAND)</strong></td>
<td>2008</td>
<td>Presented a talk at the International Conference on Algebra and related areas.</td>
<td>Manipal University</td>
</tr>
<tr>
<td>Chulalongkorn University</td>
<td></td>
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</tr>
<tr>
<td><strong>Padang (INDONESIA)</strong></td>
<td>2009</td>
<td>Presented a talk at the International Conference on Mathematics and Statistical Applications.</td>
<td>Manipal University</td>
</tr>
<tr>
<td>Andalas University</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Johor Bahru (MALAYSIA)</strong></td>
<td>2011</td>
<td>Presented a talk at the International Conference on First Biennial International Conference on Group Theory (BIGTC 2011)</td>
<td>Manipal University (Research incentives)</td>
</tr>
<tr>
<td>Universiti Teknology Malaysia</td>
<td></td>
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</tr>
<tr>
<td><strong>New Orleans, USA</strong></td>
<td>2011</td>
<td>Presented a talk at the 22nd International Conference of Nearrings, Nearfields and related areas.</td>
<td>Manipal University (Research incentives)</td>
</tr>
<tr>
<td>Southeastern Louisiana University</td>
<td></td>
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</tr>
<tr>
<td><strong>Muscat (OMAN)</strong></td>
<td>2012</td>
<td>Presented a talk at the International Conference on Radicals, Rings, Modules and Related Topics</td>
<td>Manipal University</td>
</tr>
<tr>
<td>Sultan Qaboos University</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Istanbul (TURKEY)</strong></td>
<td>2013</td>
<td>Presented a talk at the 2nd Biennial International Group Theory Conference</td>
<td>Manipal University and ICTP (Trieste, Italy)</td>
</tr>
<tr>
<td>Dogus University</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Bloemfontein (South Africa)</strong></td>
<td>2013</td>
<td>Presented a talk at the International Conference on Rings, Nearrings and Radical</td>
<td>Manipal University, INSA, CSIR</td>
</tr>
<tr>
<td>University of the Free State</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Seoul (South Korea)</strong></td>
<td>2014</td>
<td>Presented a talk at ICM 2014</td>
<td>Manipal University (Research incentives)</td>
</tr>
</tbody>
</table>
Educational Qualifications:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNIVERSITY</th>
<th>PERIOD</th>
<th>DIVISION</th>
<th>RANK/ GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Sc.</td>
<td>Andhra Loyola College, Vijayawada (A.P.)</td>
<td>1990</td>
<td>First</td>
<td>--</td>
</tr>
<tr>
<td>M. Sc.</td>
<td>Nagarjuna University</td>
<td>1994</td>
<td>First</td>
<td>First Rank</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>Nagarjuna University</td>
<td>1998</td>
<td>First</td>
<td>Grade-A</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>Nagarjuna University</td>
<td>2000</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Post-Doctoral</td>
<td>CSIR SRF EXTENDED</td>
<td>Till Sept 2001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Professional Career (Research / Teaching):

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Position</th>
<th>Period</th>
<th>Funding Agency/ Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Post-Doctoral Fellow</td>
<td>Oct. 2000 to Sep. 2001</td>
<td>C S I R,</td>
</tr>
<tr>
<td>4</td>
<td>Lecturer</td>
<td>Sept. 2001 to 11 Apr.’02</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Asst. Professor</td>
<td>12 Apr.’02 to 11 Apr’ 07</td>
<td>MIT, Manipal University</td>
</tr>
<tr>
<td>6</td>
<td>Associate Professor</td>
<td>12 Apr’07 to till date</td>
<td></td>
</tr>
</tbody>
</table>

Field of Research:
Algebra (Near-Rings / Rings and Modules / Discrete Mathematics / Fuzzy Algebraic Systems),
Graph Theory, Rough Set Theory.

Reviews of Research:
1. Reviewed two research papers submitted to ANIJMIT.
2. Reviewed two research papers submitted to Southeast Asian Bull. of Mathematics (Springer).
6. Adjudicated two M. Phil. Theses submitted to ANU.
Research Guidance:
Ph.D., Completed: One

Kedukodi Babushri Srinivas: Awarded Ph.D., for the thesis entitled “Fuzzy and Graph Theoretical aspects of Nearrings”, by Manipal University, 2009 under my guidance.

Ongoing Research: Two

Resource Person: (Karnataka Science and Technology Academy, GOVT.)
Special Lecture Series Sponsored by the Karnataka Science and Technology Academy, held at Gulbarga University, 09-10 Feb 2011, delivered special Lectures on Module Theory.

Plenary Talk:
On Finite Dimension in N-Groups and Modules, DAV College (PG), Jalandhar 3-6, Feb 2012.

Invited Guest Talks:
- On Modules and N-Groups, Kannur University, 2013.
- Ideals of Gamma Nearrings, Acharya Nagarjuna University, Dec. 2014.

Organized National Workshop:
Convener of the National Workshop: Computer Applications based on Modern Algebra (Sponsored by NBHM, DST, DRDO, CSIR) Manipal Institute of Technology, Manipal University, 03-05 Jan 2013.

Research Papers Published in Indexed International / National Journals:


Text Books Co-authored:


Papers under review:


Research Papers: *(Full Paper Published in Proceedings):*

1. **Syam Prasad K.** and Satyanarayana Bh. ‘A Note on IFP N-Groups’ Proc. of 6th Ramanujam Symposium on Algebra & Applications, 62-65, **1999**.
2. Satyanarayana Bh. and **Syam Prasad K.,** ‘On Finite Goldie dimension of M_n(N)-Group N^N, Proceedings of the 18th International Conf. on Nearrings and Nearfields, (Springer) (Germany) 301-310, **2005**.

Papers Presented in the Conferences:

**International:**

1. 5th International Conf. on ‘Combinatorics, Statistics, Pattern Recognition and Related Areas’: UNIVERSITY OF MYSORE, Mysore, Dec. 19-22, 1998 (presented a talk: A Note on Complements in N-Groups with FGD and related Graph)
4. 18th International Conference on Nearrings and Nearfields, **UNIVERSITAT DER BUNDESHWER**, Hamburg, **Germany**, 27-07-2003 to 03-08-2003 (Presented a talk entitled “On finite Goldie Dimension of a Module over a Matrix Nearring).


6. 19th International Conference on Nearrings and Nearfields, **NATIONAL CHENG-KUNG UNIVERSITY**, Chi-Tou, Taipei, **Taiwan (R. O. C.)**, 31-07-2005 to 06-08-2005 (Presented a talk entitled “On Fuzzy Dimension of N-Groups with DCC on its Ideals).

7. International Conference on Radicals, National Taras University, Kiev **Ukraine**, 30-07-2006 to 05-08-2006. (Presented a talk entitled “Fuzzy Prime Ideal of a Gamma Nearring”.


10. International Conference on Mathematics and Statistical Applications, **ANDALAS UNIVERSITY**, Padang, **Indonesia**, during 09-11, June 2009 (Presented a talk entitled ‘Fuzzy Cosets of Equiprime, 3-prime and C-prime Fuzzy Ideals of Nearrings’).


12. First Biennial International Conference on Group Theory BIGTC 2011, Universiti Tecknology Malaysia, Malaysia, during 14-18 Feb 2011, presented a talk entitled “Some Results on N-Groups with Finite Dimension”.

13. 24th International Conference on Nearrings, Nearfields and Related Topics, Southeastern Louisiana University, USA during 24-30 July 2011, presented a talk entitled “Gamma Nearrings and (\(\in\vee\q\))-Ideals”.


15. International Conference on Radicals Rings and Modules, Sultan Qaboos University, Muscat (Oman), 20-26 Jan 2012, presented a talk entitled ‘Graph with respect to Module with Finite Goldie Dimension’.


17. International Conference on Rings, Nearrings and Radical, ‘Finite dimension of N-groups’, Bloemfontein (South Africa), University of the Free State.


**National:**
6. 13th Ramanujan Mathematical Society Conference: M.S. University, Tirunelveli, June 1998 (presented a talk: An Isomorphism Theorem on Directed Hypercubes of Dimension $n$).

7. 6th Ramanujan Symposium on Algebra and its Applications: Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Feb. 1999 (presented a talk: A Note on IFP N-Groups).


13. Two-day National Seminar on Algebra and Graph Theory, Acharya Nagarjuna University, Nagarjuna Nagar, Jan 4-5, 2006 (Presented a talk: On Prime fuzzy submodules).


Workshops:

1. Three day workshop on “Object Oriented analysis and design using UML with fundamentals of Rational Rose” during 21-23 April 2008, (organized by IBM), held at Manipal Institute of Technology.


4. Two-day workshop on “Linear Algebra and Engineering Applications”.


Subjects Taught:


Extra-Curricular Activities:

N.C.C. ‘C’ Certificate, the 8th Andhra Naval Unit, NCC, Vijayawada, A.P.

Professional Recognition:

1. Life Member (since 1995) – Indian Mathematical Society.
2. Life Member (since 1997) – Ramanujan Mathematical Society.
3. Life Member (since 1999) – International forum for Interdisplinary Mathematics (USA)
4. Life Member (since 2000) – Association for the Improvement of Math. Education.
5. Life Member (since 2002) – Andhra Pradesh Society for Mathematical Sciences.
6. Life Member (since 2002) – Ramanujan Mathematics Academy (A. P.)
7. Life Member (since 2004) – Bombay Mathematical Colloquium.
9. Life Member (since 2013) - International Association of Engineers (Hong-Kong)

Additional Responsibilities in MIT Manipal University:

1. Warden MIT Hostel
2. Teacher Guardian

Signature
Curriculum Vitae of
Dr Kedukodi Babushri Srinivas
Associate Professor
Department of Mathematics
Manipal Institute of Technology Manipal University
babushrisrinivas.k@manipal.edu

1. Name: Kedukodi Babushri Srinivas
2. Date of Birth and Age: 01-06-1977; 37 Years.
3. Ph. D: 18th November, 2009; Manipal University, India.

4. Educational Qualifications:

<table>
<thead>
<tr>
<th>Course</th>
<th>University</th>
<th>Year</th>
<th>Percentage</th>
<th>Division/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph. D</td>
<td>Manipal University</td>
<td>2009</td>
<td>65.58</td>
<td>First</td>
</tr>
<tr>
<td>P.G.D.C.A.</td>
<td>Goa University</td>
<td>2000</td>
<td>65.22</td>
<td>A+</td>
</tr>
<tr>
<td>M.Sc. (Mathematics)</td>
<td>Goa University</td>
<td>1999</td>
<td>65.14</td>
<td>First</td>
</tr>
<tr>
<td>B.Sc. (Mathematics)</td>
<td>Goa University</td>
<td>1997</td>
<td>65.14</td>
<td>First</td>
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</table>

5. Awards / Additional Qualifications / Training:

<table>
<thead>
<tr>
<th>Title</th>
<th>University/Awarding Body</th>
<th>Year</th>
<th>Percentile/Remarks</th>
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<tbody>
<tr>
<td>One Month MTTS Programme- Level II</td>
<td>IIT MADRAS</td>
<td>May, 1998</td>
<td>Sponsored by National Board of Higher Mathematics-NBHM</td>
</tr>
<tr>
<td>State Eligibility Test (SET)</td>
<td>Pune University</td>
<td>2000</td>
<td></td>
</tr>
<tr>
<td>Junior Research Fellowship- CSIR, National Eligibility Test (JRF -CSIR-NET)</td>
<td>Govt. of India</td>
<td>2004</td>
<td>In top 20 percent amongst qualified</td>
</tr>
<tr>
<td>GATE</td>
<td>IIT Bombay</td>
<td>2005</td>
<td>97.25</td>
</tr>
<tr>
<td>Travel Grant</td>
<td>DST, Govt. of India</td>
<td>2007</td>
<td>Conf. in Austria</td>
</tr>
<tr>
<td>Poster Presentation award for PhD Students</td>
<td>Manipal University</td>
<td>2009</td>
<td>First Prize</td>
</tr>
<tr>
<td>ICM 2010, India</td>
<td>University of Hyderabad</td>
<td>2010</td>
<td>Sponsored by NBHM</td>
</tr>
<tr>
<td>Incentives for Excellence in Research</td>
<td>Manipal University</td>
<td>2011</td>
<td></td>
</tr>
<tr>
<td>Co-Convener of the National Workshop: Computer Applications based on Modern Algebra</td>
<td>Held at MIT, Manipal University</td>
<td>2013</td>
<td>Sponsored by NBHM, DST, DRDO, CSIR</td>
</tr>
<tr>
<td>ICTP (International Centre for Theoretical Physics, Italy), Travel support</td>
<td>ICTP</td>
<td>2013</td>
<td>Biennial International Group Theory Conference - Turkey</td>
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6. Publications:

<table>
<thead>
<tr>
<th>Research Paper Title</th>
<th>Authors</th>
<th>Journal Name and Page Numbers</th>
<th>Year</th>
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<tbody>
<tr>
<td>Interval Valued L-Fuzzy Ideals based on t-norms and t-conorms</td>
<td>(i) B. Jagadeesha (ii) B. S. Kedukodi (iii) S. P. Kuncham</td>
<td>Accepted, J. Intell. Fuzzy Systems, DOI - 10.3233/IFS-151541 (IOS Press, Netherlands)</td>
<td>2015</td>
</tr>
<tr>
<td>C-Prime Ideals in $\mathbb{R}^n[x]$</td>
<td>(i) B. S. Kedukodi (ii) S. P. Kuncham (iii) S. Bhavanari</td>
<td>Int. J. Contemp. Math. Sciences, Vol. 8, 2013, no. 3, 133 – 137.</td>
<td>2013</td>
</tr>
<tr>
<td>Reference Points and Roughness</td>
<td>(i) B. S. Kedukodi (ii) S. P. Kuncham (iii) S. Bhavanari</td>
<td>Information Sciences (Elsevier, USA) 180: 3348–3361</td>
<td>2010</td>
</tr>
<tr>
<td>Graph of a Nearring with respect to an Ideal</td>
<td>(i) S. Bhavanari (ii) S. P. Kuncham (iii) B. S. Kedukodi</td>
<td>Communications in Algebra (Taylor and Francis, USA), 38(5):1957 - 1967</td>
<td>2010</td>
</tr>
<tr>
<td>Equiprime, 3-prime and C-prime Fuzzy Ideals of Nearrings</td>
<td>(i) B. S. Kedukodi (ii) S. P. Kuncham (iii) S. Bhavanari</td>
<td>Soft Computing (Springer-Verlag, USA), 13:933-944</td>
<td>2009</td>
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</tbody>
</table>

7. Conference Presentations Abroad:

<table>
<thead>
<tr>
<th>Country</th>
<th>Conference</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turkey</td>
<td>Second Biennial International Group Theory Conference, Dogus University, Istanbul (Turkey)</td>
<td>04-08 Feb 2013</td>
</tr>
<tr>
<td>Muscat (Oman)</td>
<td>Presented a talk at the International Conference on Radicals, Rings, Modules and Related Topics</td>
<td>20-26 Jan 2012</td>
</tr>
<tr>
<td>United States of America (USA)</td>
<td>22nd International Conference of Nearrings, Nearfields and related areas (<strong>Sponsored by Manipal University</strong>)</td>
<td>24-30 July 2011</td>
</tr>
<tr>
<td>Malaysia</td>
<td>Biennial International Group Theory Conference 2011 (<strong>Sponsored by Manipal University</strong>)</td>
<td>February 14-18, 2011</td>
</tr>
<tr>
<td>Indonesia</td>
<td>International Conference on Mathematics and Statistical Applications (<strong>Sponsored by Manipal University</strong>)</td>
<td>09-11, June 2009</td>
</tr>
<tr>
<td>Thailand</td>
<td>International Conference on Algebra and Related Topics (<strong>Sponsored by Manipal University</strong>)</td>
<td>28-30, May 2008</td>
</tr>
<tr>
<td>Austria</td>
<td>International Conference on Nearrings (<strong>Sponsored by DST, Govt. of India</strong>)</td>
<td>22 - 28, July 2007</td>
</tr>
<tr>
<td>Ukraine</td>
<td>International Conference on Radicals 2006 (Self Sponsored)</td>
<td>July 30 - August 5, 2006</td>
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</table>
8. Conferences/Workshops attended in India:

(i) International:

<table>
<thead>
<tr>
<th>Conference/ Workshop</th>
<th>University/Institution</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>International Congress of Mathematicians (ICM) 2010-Research Paper Presentation-  (Sponsored by Organizing Committee ICM)</td>
<td>University of Hyderabad</td>
<td>Aug, 2010</td>
</tr>
<tr>
<td>International Conference on Algebra</td>
<td>S. S. N college, A.P</td>
<td>Jan, 2006</td>
</tr>
<tr>
<td>Joint India - American Mathematical Society International Conference-(Sponsored by Organizing Committee)</td>
<td>I.I.Sc., Bangalore</td>
<td>Dec, 2003</td>
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(ii) National:

<table>
<thead>
<tr>
<th>Conference/ Workshop</th>
<th>University/Institution</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Present trends in Mathematics and its Applications</td>
<td>Smt. Gentela Sakuntalamma College</td>
<td>Nov, 2010</td>
</tr>
<tr>
<td>Ramanujan Mathematical Society (RMS) Conference</td>
<td>NITK, Surathkal</td>
<td>June, 2007</td>
</tr>
<tr>
<td>National Seminar on Algebra and its Applications</td>
<td>Sri Padmavati Mahila University</td>
<td>Dec, 2006</td>
</tr>
<tr>
<td>National Seminar on Algebra and its Applications</td>
<td>Acharya Nagarjuna University</td>
<td>Jan, 2006</td>
</tr>
<tr>
<td>Two-day Seminar on Engineering Mathematics</td>
<td>SIT, Bangalore</td>
<td>Nov, 2004</td>
</tr>
<tr>
<td>Ramanujan Mathematical Society (RMS) Conference</td>
<td>Banaras Hindu University</td>
<td>June, 2002</td>
</tr>
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</table>

9. Teaching and Other Experience:

Teaching experience of 10 years. Participated in various Teacher Orientation Programmes and Faculty Training Workshops. Participant of Mission 10X Workshop organized by Wipro Technologies and holder of Dale Carneige certificate in High Impact Teaching Skills.

Subjects Taught: Discrete Mathematics, Design and Analysis of Algorithms, Graph Theory, Linear Algebra, Probability, Calculus.

<table>
<thead>
<tr>
<th>Designation</th>
<th>Period</th>
<th>Institution / University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Professor</td>
<td>18-11-2009 till date</td>
<td>Manipal Institute of Technology, Manipal University</td>
</tr>
<tr>
<td>Senior Lecturer</td>
<td>19-03-2007 to 17-11-2009</td>
<td>Manipal Institute of Technology, Manipal University</td>
</tr>
<tr>
<td>Lecturer</td>
<td>19-03- 2001 to 18-03-2007</td>
<td>Manipal Institute of Technology, Manipal University</td>
</tr>
<tr>
<td>Lecturer</td>
<td>17-07-2000 to 17-03-2001</td>
<td>Rosary College of Commerce and Arts, Goa</td>
</tr>
</tbody>
</table>

10. Reviewer in International Journals: Computers and Mathematics with Applications (Elsevier), Neural Computing and Applications (Springer), Information Sciences (Elsevier), Soft Computing (Springer). Number of Books written: 01; Number of Books edited: 02

11. Memberships of Professional Bodies:

(i) Life member of Ramanujan Mathematical Society (RMS).
(ii) Life member of Bombay Mathematical Colloquium.