

## Operational Research Society of India

The Operational Research Society of India (ORSI) is a national forum set up with the objective of promoting the education and applications of Operational Research (OR) in day-to-day environment in business, industry and other organisations. It has headquarters in Kolkata (Calcutta) and is managed by duly elected Governing Council. The Society has many Chapters in different parts of the country. The Chapters are involved in activities such as lecture meetings, seminars and discussions, short courses/ workshops and counseling to student members.

Membership of ORSI has various categories: Fellow, Senior Member, Life Member/Member, Student Member and Institutional Member.

The Society conducts Graduateship examination in Operational Research once every year in May at several centers in India. The graduateship examination is recognized by the Ministry of Human Resources Development, Government of India. Students who have graduated in this programme are well accepted in the academic and industrial environments.

The ORSI publishes a quarterly journal called OPSEARCH, which is recognized as one of the leading journals of OR in the world.

The Society is one of the founding members of the International Federation of Operational Research Societies (IFORS). It is also an active member of the Asian Pacific Operational Research Societies (APORS) and has taken a major role in the publication of the Asia-Pacific Journal of Operational Research. The IFORS is recognized by the United Nations as a specialist world organization. The ORSI holds a national Convention every year.



Organized by



ORSI  
Ahmedabad Chapter

In collaboration with



P&QM Area  
IIM, Ahmedabad

Co-Sponsors



ORSI, Chennai Chapter



Department of  
Mathematics and  
Department of  
Management Studies  
IIT, Madras

## Second National Conference on Management Science and Practice

March 9 - 11, 2007

In memory of

**Professor S.K. Srinivasan**

Professor Emeritus

Department of Mathematics

Indian Institute of Technology, Madras

Theme

**Stochastic Models in  
Management Science**

Venue

**Indian Institute of Technology, Madras**

Conference Website

<http://www.orsiahmedabad.org>

#### **PATRON**

**M.S. Ananth**

Director, IIT, Madras

#### **NATIONAL SCIENTIFIC COMMITTEE**

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P&QM Area, IIMA

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#### **CO-ORDINATOR**

**N. Ravichandran**

P&QM Area, IIMA

The Operational Research Society of India, Ahmedabad Chapter in collaboration with the Production and Quantitative Method Areas of Indian Institute of Management, Ahmedabad is pleased to announce the Second National Conference on Management Science and Practice during March 9-11, 2007.

This conference is dedicated to the memory of S.K. Srinivasan, Professor Emeritus, Department of Mathematics, Indian Institute of Technology, Madras.

The purpose of this Conference is to provide an opportunity for scholars working in the broad area of applied management science to present and share their work. It is hoped such Conferences would promote interaction among industry and academia. Often, such interactions lead to new and challenging research areas.

The Conference would consist of several invited presentations, plenary sessions, invited tutorials and contributed papers. The Conference is open to academicians and practitioners working in the broad area of applied management science.

Contributed papers are invited for this Conference in the broad area of management science with a clear focus on application. Ideally, the presentation should focus on an important practical problem or discuss a methodology which has relevant and meaningful application in real life. We seek contributions from industry emphasizing an application with appropriate academic rigor.

It is planned to bring out a reviewed printed volume of the papers presented in the conference. This Conference is scheduled to begin on March 9, 2007 – 09.30 a.m. and will end on March 11, 2007 – 3.30 p.m.

The registered participants would have access to the conference proceedings and publication, lunches and dinners during the conference. Dormitory accommodation would be reserved for registered participants on a payment basis on IIT campus on a first cum first serve basis.

## **Management Science and Practice – Conference series**

ORSI Ahmedabad Chapter has launched a new conference series under the title **Management Science and Practice** with an aim to promote the discipline of Operations Research in India. The primary purpose of this conference series is to discuss and disseminate applied operations research in the Indian context. These conferences are expected to provide a meeting ground for industry specialists and application oriented academicians. These conferences also aimed to provide a wide exposure to young Ph.D. students to develop an understanding of emerging areas of research. In addition, these conferences would provide a meaningful platform to disseminate research outcome of a national level project which should bring together academicians, industrialists and Ph.D. students across the country.

The first conference under this banner was held in Indian Institute of Management, Ahmedabad during March 31 – April 1, 2006 in honor of Professor Jahar Saha on the occasion of his superannuation from the Indian Institute of Management, Ahmedabad. This conference was attended by about 100 participants. About 50 scientific papers were presented in this conference. The edited volume of the proceedings of the conference are expected to be published by mid February 2007.

The second conference is scheduled to be held during March 9-11, 2007 in Indian Institute of Technology, Madras in memory of Professor S.K. Srinivasan who passed away after a brief illness in Chennai on October 21, 2006.

In the near future, we plan to launch a national level long duration research project to facilitate an promote application of operational research models in management science.

For additional information please visit ORSI Ahmedabad Chapter website <http://www.orsiahmedabad.org> or write to Dr. T. Vasudha, Executive Assistant, ORSI Ahmedabad Chapter (Email: [t.vasudha@gmail.com](mailto:t.vasudha@gmail.com)), Wing 3, Indian Institute of Management, Ahmedabad 380 015.

### **CONFERENCE SECRETARIAT**

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Second National Conference on  
**Management Science and Practice**  
 Venue: Indian Institute of Technology, Madras - March 9-11, 2007

**TENTATIVE SCHEDULE**

	Day 1 - Friday March 9, 2007	Day 2 - Saturday March 10, 2007	Day 3 - Sunday March 11, 2007
0900 - 1030	Registration and Inauguration	Contributed Papers – Parallel Tracks	Contributed Papers – Parallel Tracks
1030 - 1100	Tea / Coffee	Tea / Coffee	Tea / Coffee
1100 - 1200	Plenary Session	Plenary Session	Plenary Session
1200 - 1330	Invited Talks / Contributed Sessions	Invited Talks / Contributed Sessions	Invited Talks / Contributed Sessions
1330 - 1430	Lunch	Lunch	Lunch
1430 - 1530	Plenary Session	Plenary Session	Conclusion
1530 - 1600	Beverages	Beverages	
1600 - 1730	Invited Talks / Contributed Sessions	Invited Talks / Contributed Sessions	
1730 - 1800	Beverages	Beverages	
1800 - 1930	Cultural Programme	Remembrance of SKS	
2000 - 2100	Conference Dinner	Conference Dinner	

**REGISTRATION FEE**

Rs. 1,000/- for Research Students  
 Rs. 2,000/- for Academicians  
 Rs. 5,000/- for Practitioners from Industry

Demand Draft in favour of ORSI, Ahmedabad Chapter payable at Ahmedabad may please be sent to Dr. N. Ravichandran, Co-ordinator, at the address given below.

If you want to participate in this Conference, please send an email (t.vasudha@gmail.com) with your name, designation and affiliation and the desire for accommodation on IIT Madras campus. Alternatively, the registration form may be completed and mailed to the Co-ordinator along with the Registration Fee.

**IMPORTANT DATES**

Please send an abstract as early as possible but preferably before **February 20, 2007**.

The full paper to be included in the edited volume should be available by **March 5, 2007**.



**ORGANIZING COMMITTEE**

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## Professor Sumangali Kidambi Srinivasan (SKS)

S.K. Srinivasan was born in Kanchipuram in Tamil Nadu, India on December 16, 1930. After completing his high school education in Cheyyar, he joined the Vivekananda College to study Mathematics and obtained his B.A.(Hons) degree from the University of Madras in 1953. Attracted by the opportunity to work with Professor Alladi Ramakrishnan, he then joined the University of Madras to work in Mathematical Physics and received his M.Sc. degree (by research) in 1955 and Ph.D. degree in 1958.

After submitting his doctoral thesis, SKS went to the University of Sydney as postdoctoral fellow. In 1959, he returned to the University of Madras, accepting a senior research fellowship of the National Institute of Sciences of India. SKS Joined the Indian Institute of Technology, Madras in 1959 at its very inception, and become a professor in 1967 and a senior professor in 1974.

At the Indian Institute of Technology, Madras, Professor S.K. Srinivasan had served as the Head of the Department of Mathematics, Dean of Research Programmes and a Member of the Board of Governors. In addition he has served in a host of important committees.

His research interests were in the field of Stochastic Processes and their Applications, Quantum Mechanics and Fields, Quantum and Nonlinear Optics, Statistical Mechanics and Fluctuation Phenomena, Mathematical Biology and Operations Research. SKS had published more than 200 scientific papers in established journals and authored 10 scientific books. SKS has guided 20 students in their Ph.D. programme. One of them got his degree in Electrical Engineering, one in Civil Engineering, two in Physics and the rest in Mathematics.

Professor Srinivasan has had visiting assignments at various Universities abroad viz. University of Sydney, State University of New York at Buffalo, University of Waterloo, National University of Singapore, Technical University of Munich and University of Texas at Austin.

Professor Srinivasan is a life member of the Indian Mathematical Society, Operational Research Society of India (President, 1975-1979) and Bernoulli Society of Probability and Mathematical Statistics, an elected Fellow of the Indian Academy of Sciences and a founder fellow of the Tamil Nadu Academy of the Sciences. He was on the editorial board of "OPSEARCH" (1973-1977) and is a founder editor of the "Journal of Mathematical and Physical Sciences" now is its 24th year of publication. He is on the editorial board of "Solid Mechanics Archives" and "Annals of the Institute of Statistical Mathematics" and is a member of the Research Board of Advisers of the American Biographical Institute. Professor Srinivasan is listed in several directories of men of achievement and distinction.

Professor Srinivasan is an original thinker. His papers are marked by their clarity and originality. He is one of the early workers in the field of stochastic processes in India. A characteristic of Professor Srinivasan's work is the strong application bias, maintaining at the same time strong theoretical support and mathematical rigour. In addition he was helpful in advising and influencing many graduate students. He is selfless and extraordinarily generous in giving his time and concern to his students and colleagues.

## List of Topics Relevant to this conference

- |                                       |                                |
|---------------------------------------|--------------------------------|
| Applied Probability                   | Materials Management           |
| Applications in Banking and Insurance | Mathematical Programming       |
| Business Applications                 | Multi-criteria Decision Making |
| Business Process Reengineering        | Networks optimization          |
| Cellular Manufacturing                | New Product Development        |
| Combinatorial Optimization            | Nonlinear Programming          |
| Data Envelopment Analysis             | Optimization Techniques        |
| Data Mining                           | OR/MS Models                   |
| Decision Analysis                     | Planning Models                |
| Decision Support System               | Probability                    |
| Defence Applications                  | Production Planning            |
| Dynamic Programming                   | Project Management             |
| E-Commerce                            | Quality Management             |
| Energy Modeling                       | Queuing Models                 |
| Expert Systems                        | Reliability                    |
| Education and OR                      | Retail Management              |
| Financial Engineering                 | Revenue Management             |
| Flexible Manufacturing systems        | Rural Development              |
| Forecasting                           | Scheduling                     |
| Health Applications                   | Simulation                     |
| Information Systems                   | Six Sigma                      |
| Integer Programming                   | Stochastic Optimization        |
| Inventory Management                  | Stochastic Process             |
| Linear Programming                    | Supply Chain Management        |
| Facility Location                     | Transportation                 |
| Logistics                             | Tourism and OR                 |
| Marketing Models                      |                                |

