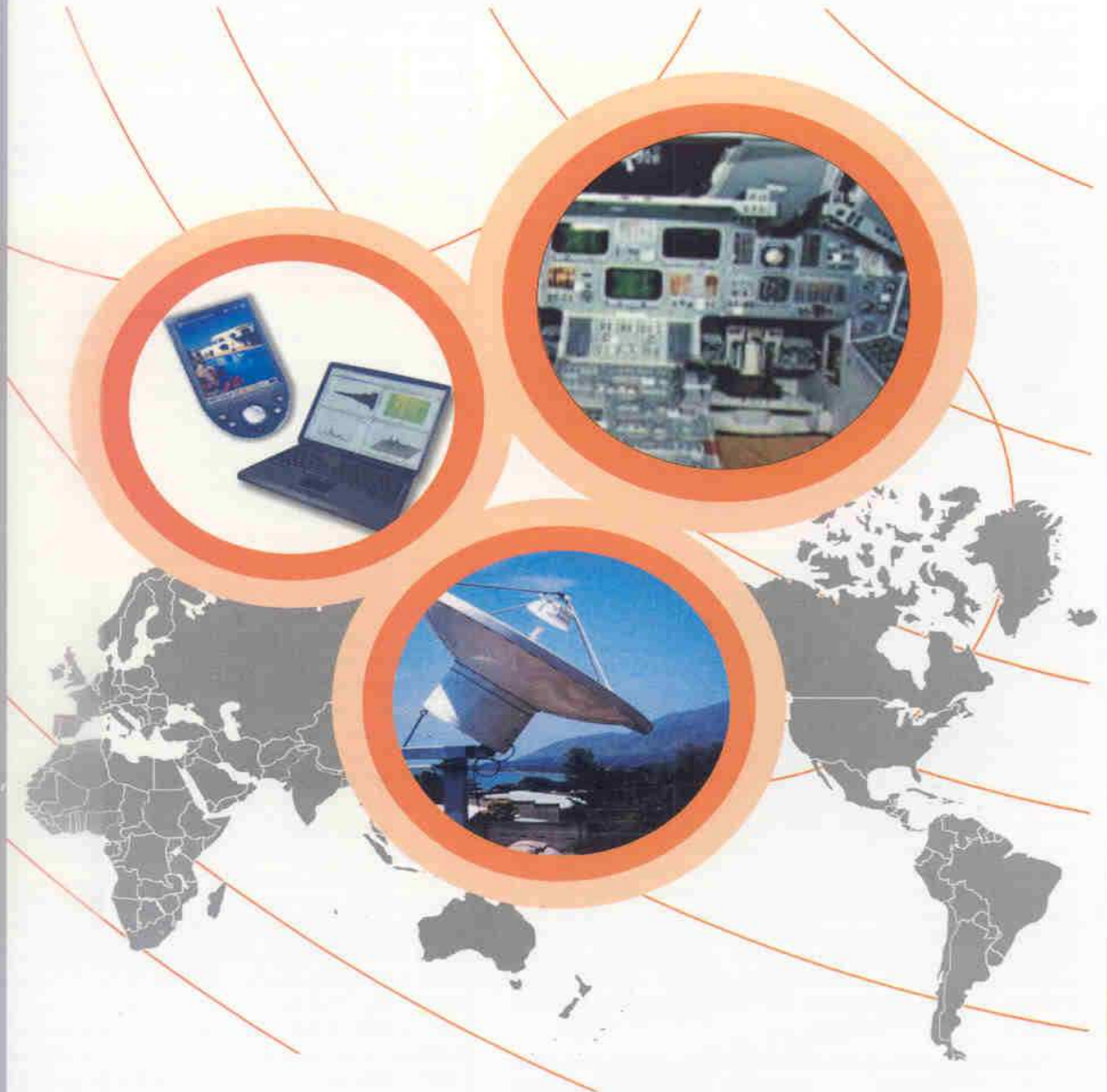# International Conference and Exposition on
Communications & Computing

ON 5-6 FEBRUARY, 2005 AT IIT KANPUR, INDIA

....trends and technologies for tomorrow & beyond .

Organised By:
Indian Institute of Technology Kanpur
&
Institution of Electronics
and Telecommunication Engineers, Kanpur

ABOUT THE ORGANISERS

IIT, KANPUR (http:// www.iitk.ac.in)

Indian Institute of Technology-Kanpur was established in 1960. The Indian Institutes of Technology were conceived and created to train the country's youth to international standards in technology, science and humanities and social sciences, and to provide leadership in technological innovation to facilitate independent India's Industrial growth.

Today IIT Kanpur provides learning opportunity to nearly 2800 undergraduate and postgraduate students through its more than 350 strong faculty associated with twelve departments. The Institute offers integrated undergraduate programmes in Engineering and the Sciences (Chemistry, Mathematics and Physics).

The postgraduate programme consists of an M.Tech. programme in all branches of Engineering and in Management and a Ph.D. programme, in all branches of Engineering Sciences, Management and in Humanities and Social Sciences. IIT, Kanpur is also initiating a two year MBA degree programme. Interdisciplinary programmes are conducted in Material Science, Industrial Management and Engineering, Nuclear Engineering and Technology and Laser Technology. The Institute has a strong Sponsored R & D and Consultancy activity pursued in the different departments and also in several Advanced Research Centres, namely, Advanced Centre for Electronic Systems, Advanced Centre of Materials Science, Centre for Laser Technology and Centre for Mechatronics. The Centre for Development of Technical Education of the Institute conducts a large number of short-term intensive courses every year for industry personnel, scientists from R & D organisations and teachers from colleges and universities.

Set up in a park like campus, this residential institute has its own airstrip. It has a well stocked modern Library that is automated and can be accessed through the Campus LAN. The Computer Centre houses state-of-art computing facilities recognised internationally as one of the key strengths of IIT, Kanpur.

IETE (http:// www.iete.org)

Founded in 1953, The Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society devoted to the advancement of the science & technology in the field of Electronics, Telecommunications and Information Technology. IETE serves 45,000 members, both individuals and industries / organisations from India and abroad. It conducts and sponsors technical meetings, conferences, symposia, exhibitions, etc. all over the country; publishes nearly 50% of India's technical papers in the areas mentioned above and provides continuing education to update its members. The IETE also facilitates its students members to acquire engineering Degree/Diploma equivalent qualifications through its well established and recognised examinations system.

IETE publishes three professional journals. These are, IETE Journal of Research - a bimonthly publication covering research/ academic oriented papers, IETE Technical Review - a bimonthly publication covering design/ development oriented papers, and IETE Journal of Education - a quarterly publication, providing supplementary resources to prepare students for preparing for their examinations.
At present forty-one Centers and Sub-Centers of IETE are working together to spread its technical activities to all the regions of the country.

OBJECTIVE AND SCOPE

The present day Communication and Computing economy differ from the earlier traditional economic paradigms in a sense that the property is not necessarily physical as it may consist of intangible organised thoughts created by human mind right from the conception of the product to its full dissipation by the market. Organised thought, encompassing the two powerful technologies, when embedded in an object add value to that product. Communication and Computers have found application in virtually every walk of life. Technology changes are taking place rapidly, creating more avenues for business. There should be little doubt that the value and growth of knowledge-based industries are here to stay. The confluence of Communication and Computers is rapidly changing the landscape of society, industry, trade, infotainment, commerce, research and education.

Later part of the last millennium saw the beginning of new era of industrial revolution based on the convergence of computer and communication. Communication and Computer enabled services employ hundreds of thousands educated youngsters. There are hardly any parallel business and industries that can grow at ten to fifteen percent year to year consistently. In a way the growth of knowledge based business has just begun. Newer areas like medical services and health care services using knowledge-based skills are emerging as growth markets. India, with its vast population as well as its huge intellectual potential, has become a preferred land for business as well as for technological incubation. The multinationals are attracted to the country for its academically strong base and for business opportunities that it provides. Some eighty percent of the top 40 global Communication and Computing service organisation have a presence in India and they are stepping up operations rapidly.

The main objectives of the conference are to learn from one another and also to formulate recommendations for better policies and better projects that benefit people in developing countries. **The conference also aim to bring together creative people for rapid economic and sustainable growth and to create a network of like minded people working in the area who can meet once in a two year to share ideas and experiences.** The focus of the conference is on **emerging technologies** in communication and computing. The goal of this conference is to provide a high quality forum for experts to present their latest findings on all topics in the area of Communication and Computing, which will enhance the progress of society. It is a gathering where **latest technological advances** on Communication and Computing are presented and discussed in the spirit imbibed in the Bhagwat Gita-**"On earth there is no purifier as great as knowledge. He who has attained**

purity of heart through a prolonged practice of karma yoga automatically sees the light of truth in the self in course of time (IV. 38)".

EXPOSITION

An exposition of Communication and Computing related products such as E-learning, E-ruralmarketing, E-Governance, convergence in communication and broadcast Technologies, E-regulation, E-security, Medical Electronics, Industrial application of IT, Internet, IT application in power, Entertainment management, Automobile sector etc. will be held simultaneously. It will be inaugurated on 4th February, 2005. The exposition will focus on the technologies/know-how developed and services offered at various institutions and companies and help an exhibitor to demonstrate, stimulate and reach an audience that is not accessible through typical sales channels. Exhibiting at the exposition will provide an opportunity to meet one to one with decision makers on a truly international level. Exposition exhibit units are available for the three day exposition.

SOUVENIR

A Souvenir will be released on the occasion containing abstracts of invited papers; keynote addresses, messages, advertisements, conference programme and articles on communication and computing related subjects. This will be an excellent media for organizations to advertise their activities and products.

PROCEEDINGS

Proceedings of the conference will be released on the occasion containing all the **invited papers / presentations in CD.** Paper format proceedings can be made available latter if order is placed during registration.

WHO SHOULD ATTEND

Chief Executives of Communication and Computing and IT Sector, Industry, Government Departments, R&D Institutions. Professionals and Engineers at all level of communication and computing Sector, Industry and members of academia will have an unique opportunity of mutual exchange of information with a select gathering of experts from all over the globe.

WHO SHOULD EXHIBIT

Companies from Communication and Computing and IT sector, hardware and equipment Industry, Government bodies, Institutions, consultants etc. Have the opportunity at the exposition to feature the latest developments in their sectors with global emphasis.

ACCOMMODATION & TRAVEL

Kanpur is about 400 km from New Delhi and is well connected by road, train and air. Several good quality hotels are available in Kanpur. Some limited accommodation is also available at the Guesthouse of Indian Institute of Technology, Kanpur. Assistance will be provided to delegates for booking of hotels, air/ train travel provided such request with payment are received well in advance.

SUGGESTIONS

Your valuable suggestions will be highly appreciated and considered to make this conference yet another memorable event. We welcome your suggestions on :
- New topics
- Conduct of conference
- Conduct of Exposition
- Any other issue

CITY OF KANPUR

Kanpur has the privilege of being a prominent educational centre apart from popularly known as Manchester of East. Many major automotive, engineering, textile, chemical industries, leather industries and a STP are situated in this industrial belt. Located nearly 400 kms away from New Delhi the Capital of India), Kanpur is enriched by the water of holy river the Ganges.

HIGHLIGHTS

- Eminent experts from different countries will participate during the three day of intensive technical discussions which include technical sessions, inaugural session and valedictory session.
- Inaugural session and valedictory session speeches by distinguished executives from communication and computing sectors.
- About fifty key note addresses and technical papers will be presented.

SPEAKERS

All presentation shall be **by invitation** from eminent experts and leaders from communication, computing and IT industry, trade, and commerce, Government etc. However few **contributory presentations / papers will be considered** by the technical committee from experts who wish to present paper on the basis of their research work on topics which will have a profound and a reaching impact on the trends and technology on both these fields on communication and computing and also on their convergence. Interested authors are requested send an abstract of their papers for review. Full manuscript of the **invited / contributory** papers to be sent by the speaker on a CD in pdf or postscript format accompanied by a hard copy on A4 size paper with 03 cm margin on all sides, along with an abstract limited to 200 words, for publication in the proceedings. A brief bio-data of the authors along with a passport size photograph in peg format should also be enclosed for inclusion in the Proceedings.

Please remember the following deadlines:

- Last date of receipt of abstract: 31th October 2004
- Last date of receipt of complete manuscript: 15th December. 2004
- **No Registration Fee** is payable by the speakers of papers and session chairmen.

REGISTRATION :

DELEGATES

	Till 31st Dec., 2004	After 31st Dec., 2004
For single delegate from an organisation	Rs. 5000/- or US$150	Rs.6000/- or US$ 200
For any additional delegate from an organization	Rs. 4000/- or US$ 125	Rs.5000/- or US$ 175
IETE Members (non-sponsored)/IIT Faculty / Students of technical institutions.	Rs.2000/-	Rs.2000/-

EXPOSITION

Regarding availability of exhibition stalls, details of area & rate,

Please contact the Convener of ICCC-05 Mr. S C Bansal
Email: bansal-sc@lml-electronics.com

ADVERTISEMENT

Advertisement (coloured A4 Size) in the Souvenir. Advertisement material is to be enclosed along with release of advertisement. The same should reach **Secretariat** for ICCC05 by 15th January 2005.

Back Cover	:	Rs. 40,000/- US$ 1000
Second & Third Cover	:	Rs. 30,000/- US$ 750
Full Page	:	Rs. 15,000/- US$ 400

THREE EASY WAY TO REGISTER

 ON LINE   : http://www.iitk.ac.in / iccc05
 FAX   : +91 – 512 - 2590063
 Send completed forms and draft to correspondence address.

MODE OF PAYMENT

 All payments are to be made by demand draft / cheque in favour of **"IETE Kanpur-A/C Conference"** payable at any bank in Kanpur. For outstation cheque please add Rs. 100.
 Visa / MasterCard

FURTHER CORRESPONDENCE:

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Secretariat for ICCC05

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Indian Institute of Technology, Kanpur –208016, India
Phone: +91-512–2597409, Fax : +91–512–2590063
Email : iccc-05@iitk.ac.in
Web: http://www.iitk.ac.in/iccc-05/
        http://www.iccc-05.com

CONTACT PERSONS IN THE ORGANISING COMMITTEE

Chairman	:	Prof. S.G. Dhande, Director IIT Kanpur (Email. sgd@iitk.ac.in,)
Co-chairman	:	Mr. B.K. Karmaker, Past chairman IETE Kanpur Centre and Senior Vice-President LML Ltd Kanpur. (Email: iccc-05@lml-electronics.com)
Co-chairman	:	Mr.S.K.Gupta, CMD –NG Electronics Kanpur and immediate past chairman IETE Kanpur Centre (Email. indisco@satyam.net.in)
Chairman - Technical Committee	:	Prof. Joseph John, Elect. Engg Dept, I.I.T. Kanpur and Chairman IETE Kanpur Centre (Email: jjohn@iitk.ac.in)
Convener	:	Mr. S.C. Bansal, Hon'y Secretary IETE Kanpur Centre and Divisional Manager, LML Ltd Kanpur. Email: (iccc-05@lml-electronics.com)

TENTATIVE PROGRAMME

FRIDAY - FEBRUARY 4, 2005

1400	Registration		
1500	Inaugural session	:	Building enterprising community
1700	Tea		
1800	Plenary session	:	Innovation and knowledge management
2030	Entertainment Programme/Dinner		

SATURADAY - FEBRUARY 5, 2005

0800	Registration		
0930	Session –1A	:	Cyber Security
	Session –1B	:	Communication Systems and networks
1130	Tea		
1200	Session –2A	:	Grid Computing
	Session –2B	:	3rd / 4th Generation Mobile & Cellular Communication (Long range)
1330	Lunch & Networking		
1430	Session –3A	:	E-commerce/Governance : Applications and Technologies
	Session –3B	:	Short-range wireless : Wireless LAN, Devices, RF Ids
1600	Tea		
1630	Session –4A	:	Next generation IP and mobile Networking
	Session –4B	:	Communication Technology for Rural Markets
1800	Tea		
1830	Cultural programme		
2030	Dinner		

SUNDAY - FEBRUARY 6, 2005

0800	Registration		
0930	Session –5A	:	Internet technologies and applications
	Session –5B	:	Technologies for Secure Communication

1100	Tea		
1130	Session –6A	:	ICT and social development
	Session –6B	:	Telematics in transportation – future trends
1300	Lunch and Networking		
1400	Session –7A	:	IT Services and outsourcing
	Session –7B	:	New direction in optical Communication, Networks & Switching
1530	Tea		
1600	Valedictory Session	:	Capturing intellectual leadership on new issues
1800	Tea		

ADVERTISEMENT RELEASE FORM

Advertisement material (to be enclosed)

Size ……………………………………………………………

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Method of payment: (cross the one not used)

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Signature……………………………………………………

2. Demand Draft/Cheque No………………Dt.………………

For Rs./ US$ …………………..in favour of **"IETE Kanpur-a/c Conference"** is attached herewith.

Signature……………………………………………………..

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DELEGATES REGISTRATION FORM

Names:…………………………………………………………

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Signature……………………………………………………..

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EXPOSITION RELEASE FORM

Cubicle Space………………………………………………………..

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Phone………………………………Fax……………………

E-Mail ……………………………………………………………

Signature……………………………………………………

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ICCC-05

Global viewpoints

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IT Services & Outsourcing

Intellectual Leadership

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