IEEE

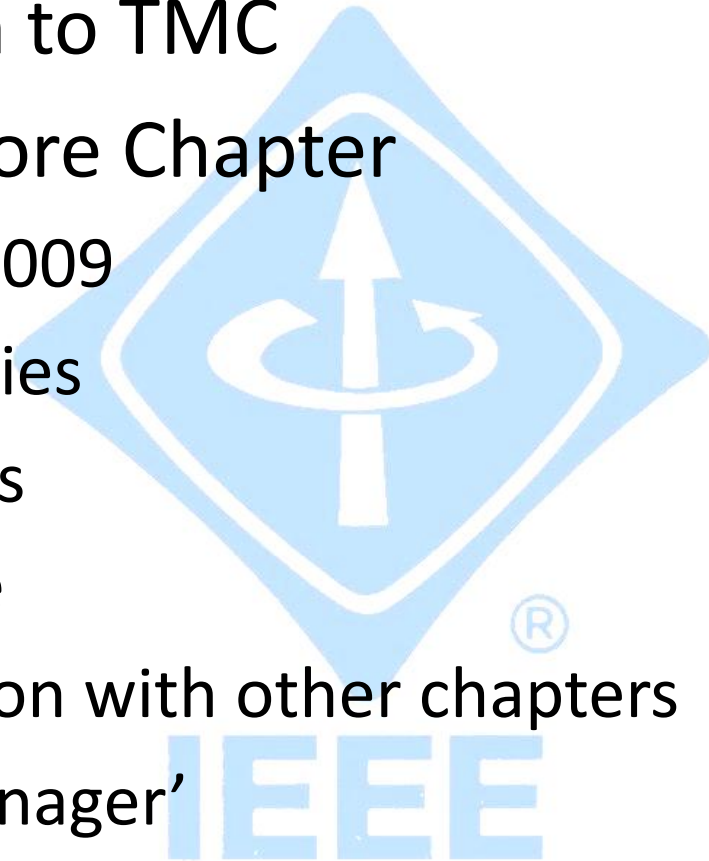## Celebrating 125 Years
of Engineering the Future

Technology Management Council (TMC) Bangalore Chapter

Chapter Launch Event, 29-Nov-2008,

Choksi Hall, IISc, Bangalore

Agenda

- Introduction to TMC
- TMC Bangalore Chapter
  - Vision for 2009
  - Lecture Series
  - Publications
  - Conference
  - Collaboration with other chapters
  - 'Future Manager'

What is TMC

- One of forty four Technical Societies and Councils in IEEE.
- The focus of most IEEE Societies and Councils is technical, while Technology Management covers the **management aspects** which are so **necessary to the success of technical operations**.
- Council Member Societies: Broadcast Technology Society, Circuits & Systems Society, Communications Society, Computer Society, Electron Devices Society, Industrial Electronics Society, Lasers and Electro-Optics Society, Professional Communication Society, Reliability Society, Signal Processing Society, Solid State Circuits Society, Systems Man and Cybernetics Society, Vehicular Technology Society

Vision, Mission and Values

- **VISION:**
  - The IEEE Technology Management Council will be a **recognized** and **respected worldwide source of information** and **services** in the field of **engineering**, **technology**, and **innovation management**.
- **MISSION:**
  - The IEEE Technology Management Council provides information and services to IEEE members and the worldwide audience of practitioners and researchers engaged in the profession of engineering, technology, and innovation management.
- **VALUES:**
  - High quality services that meet member needs worldwide
  - Knowledge integration between the practitioner and academic communities
  - Leadership in the development and promotion of management practices
  - Knowledge-based decision-making from an organizational perspective
  - Innovation in engineering and management disciplines
  - Ethical behavior and professionalism

Field of Interest

- The field of interest of the Council encompasses the **management sciences and practices** applicable to **individuals engaged in or overseeing the management of engineering, technology, innovation, and strategy in a global environment**.

- Topics of interest include but are not limited to:
    - technology management and organizational strategy;
    - technology policy development, assessment, and transfer;
    - program and project management;
    - transitioning from technology practitioner to manager;
    - management of research, development, and design of products, equipment, processes, and related activities;
    - innovation and entrepreneurship;
    - interaction and role of scientists, engineers, and managers in meeting organizational objectives;
    - education of personnel engaged in managing engineering, technology, and innovation;
    - the economics of invention, innovation, and application of new technologies;
    - and the impact of engineering, technology, and innovation management on society.

TMC Bangalore Chapter

- 2009 Theme: "**Sustainable Innovation**"

- Focus on **Innovation**, **Collaboration**, **Communication**, **Human Values** and alignment with **Social and Business Values**

- Promote and facilitate **knowledge sharing** and **mutual learning** through expert talks, publications, workshops and conference

- Special emphasis on learning from non-IT fields, and encouraging women in the field of technical management

TMC Bangalore Chapter Team

- **Core Team**
  - *Chair:* Tathagat Varma, *GM, NetScout India*
  - *Vice-Chair Lecture Series:* Dr. Raj Mitra, *Head EDA Tech. Group, TI India*
  - *Vice-Chair Publications:* Dr. Jayatheertha, *Independent Tech. Professional*
  - *Vice-Chair Conference:* Ashok Bhattacharya, *Chief SOA Architect, IBM India Software Labs*
  - *Treasurer:* Arun Tanksali, *VP Technology, Bharti Telesoft*
  - *Secretary:* Siva Moorthy, *Program Manager, Nokia Siemens Networks*
  - *Collaboration with other chapters:* Sabyasachi Dey, *Senior Staff Manager, Qualcomm*
  - *Student Activities coordinator:* Santosh, *ASIC Design Engineer, Nvidia*
  - *Webmaster:* Dushyant, *Systems Engineer, BAeHAL*
- **Volunteer Team**
  - Ravikiran, Arjun, Biraja, Girish, Karthikeyan, Mukesh, Narayan, Prashant, Rahul, Raj Sharma, Shashidhara, Sreekanth, Venkataraghvan, Vivekanandan

Lecture Series

- Monthly talks by practicing managers and subject experts
- General theme on "managing innovation", but there will be variations around the theme
- Involve different industries, not just IT. And may go beyond EE discipline occasionally
- Will also plan to have a few educational/tutorial lectures on selected topics (may invite management professors for these)
- Main concerns to be solved are:
  - What is the target audience? Will get a feel for it after a few trials
  - Need a good advance notice to invite the right audience, but a long notice does not usually work for top managers (due to business flux)

Publications

- Web page (www.tmcbangalore.com)
  - Executive Committee with contact details
  - Information on Conferences & Proceedings
  - News updates: Upcoming events and Past Events
  - Blogs
  - Held Conference Proceedings
  - Downloadable White papers on Sustainable Innovations
  - Downloadable News letter

Publications

- Quarterly News Letter (ezine)
  - Articles on Technology Management
  - Sharing Best Practices, new thoughts and emerging trends
  - Abstracts, Audio and Visual files of delivered speeches in that quarter conducted by TMC Bangalore chapter

Conference

- One International Conference in 2009
  - Bring practitioners and researchers together on a common platform, exchange best practices, discuss new trends, etc.
  - Theme and topic to have some links to the region
    - Proposed theme 'Sustainable Innovation'
    - Topics (include, but not limited to)
      - Role of Technical Managers in Shaping Innovation Agenda & Execution
      - Green Innovation
      - Training Managers for Innovation in 21st Century
- To deliberate and finalize details by Dec/Jan
  - Length and format: 1 or 2 day, how many tracks
  - Dates, location, CFP, Sponsors, Conference team, Cost, fees etc.

Collaboration with other chapters

- Foster stronger collaboration to identify cross functional issues related to Technology Management

- Understand technology evangelists, what support, structure, and leverage they need from managers, bring the issues back to TMC forum

- Create a communication channel for regular discussions, encourage participation from other chapter members in TMC activities

- Leverage other chapters to reach out to larger groups

- Given the number of chapters and members it will be a good challenge to remain consistent in cross chapter dialogues and participation, suggestions and ideas are welcome

'Future Manager'

- Reach out to young engineers and orient them towards role of a technical manager
  - Two-way communication
    - Bridge the gap between managers and engineers
    - Collate issues from engineers to make managers function more effectively
  - Help those who aspire to be a manager (share knowledge, mentor ?)
- Plan to conduct interaction sessions

Further Information

- [IEEE Technology Management Council](#)
- TMC Bangalore Chapter team

Thanks !

- We look forward to your active support and feedback in this endeavor

- Please encourage professionals in your organizations to become part of this chapter

- Let us know how we could help you ☺