

# Professional Biography

- **Employed at IBM's T.J. Watson Research Center, 1978-2013**
  - **Program Director** for IBM's Blue Gene Watson supercomputer facility
    - a Top500 supercomputer center, ranked as high as #2
    - simulations of human biology, new materials for computing
  - **Department Manager, Visual Technologies**
    - data visualization, 3D graphics, image processing
  - **Manager, Image Library Applications**
    - digital libraries, with high-quality imaging and digital rights management, often for web sites of cultural institutions; well-publicized projects with the Vatican Library, the Hermitage Museum, the Egyptian Museum in Cairo
  - **Manager, Signal Processing Applications**
    - signal processing theory, applications, hardware
- **over 50 technical papers, 25 U.S. patents**
- **key features of many IBM offerings**
- **IEEE Fellow**
- **member, IBM Academy of Technology**
- **an IBM Research Master Inventor (twice)**
- **PhD in EECS from Princeton; BSEE from Rutgers**



# IEEE Accomplishments

- › *Division IX Director 2008-09 / member IEEE TAB / IEEE BoD*
- › *Pres. of IEEE Signal Processing Society (SPS) 2004-05 / member IEEE TAB*
- › *VP of Technical Activities 2012 / IEEE BoD*
  
- › *The **three-pronged Open Access strategy***
  - *Shaped it in TAB SPC, presented to TAB, PSPB & IEEE BoD, secured its approval*
  
- › ***Collaboration tools** to help our members better network and collaborate*
  - *Participated in its requirements, co-presented to TAB, PSPB, MGA & IEEE BoD to secure its approval, continue to guide*
  
- › ***Increased IEEE activity in emerging technologies**, which now include Smarter Cities, the Internet of Things, Clean Transportation*
  - *Secured increased TAB funding to support more activities*
  - *Created **on-line technical communities** to involve more participants in them – free to all*
  - *Created **IEEE Technical Community Spotlight** to publicize them – free to all members*
  - *Contributed to the framework for transitioning emerging technology efforts into TAB entities, where appropriate*

# Other IEEE Activities & Accomplishments

## › **Strategy**

- Initiated TAB effort that **created a new TA mission statement** - Inspire, Foster and Empower Technology-Centric Worldwide Communities – and secured its adoption
- Chaired TAB Awareness and Branding Ad Hoc that developed **TAB value proposition**
- IEEE NIC; SPS Long Range Planning (Chair)

## › **Finance**

- VP Finance for SPS - a financially-sound society
- IEEE Audit Committee; IEEE Investment Committee; IEEE Marketing and Sales; IEEE Employee Benefits and Compensation Committee (Chair) that vetted Jim's offer package

## › **Publications**

- Charter EIC, **IEEE Technical Community Spotlight**
- Proposed **IEEE Trans. on Info. Forensics and Security** and secured its adoption
- Added language processing to scope - **IEEE Trans. Audio, Speech and Language Processing**

## › **Conferences**

- Finance Chair of ICIP95

## › **Membership**

- Initiated Membership Models Ad Hoc, which proposed **the bundled membership experiment**, now underway; Membership Development Committee

## › **Awards**

- Chaired Ad Hoc that **created the TAB Hall of Honor** - and secured its approval



# My Vision, If Elected

*Priority – **create and provide more value for our members***

**1. Provide enhanced networking and collaboration opportunities for our members** within IEEE communities, i.e., regions, sections, chapters, conferences, affinity groups, publications

- The **Collabratec**™ tools are only the beginning

**2. Increase global relevance**

- More visible projects (incl. Smarter Cities, humanitarian) in more regions
- Closer ties to the tech industry
- Global public policy

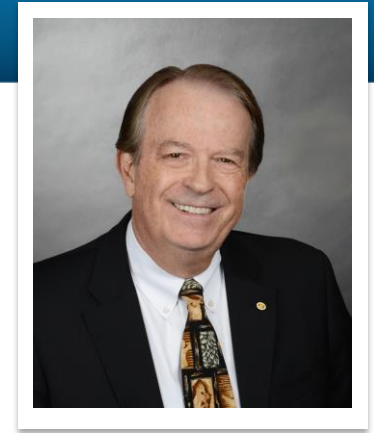
**3. Develop crisper value propositions for important member audiences**

- Industrial employees/practitioners/consultants/entrepreneurs
- Young Professionals
- Author/researchers
- Tech professionals in emerging economies



# In summary

- *An accomplished tech professional*
- *An effective IEEE leader*
- *A vision for the future*



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σας ευχαριστώ

Thank You

dankjewel

Danke

Merci

Gracias

obrigado

grazie

شكرا

спасибо