

# My Vision as IEEE President

## IEEE Region 8 Meeting

Barry L. Shoop, Ph.D., P.E.

region 8  
IEEE 8



IEEE 102<sup>nd</sup> Region 8 Committee Meeting  
5-6 April 2014, Budapest, Hungary

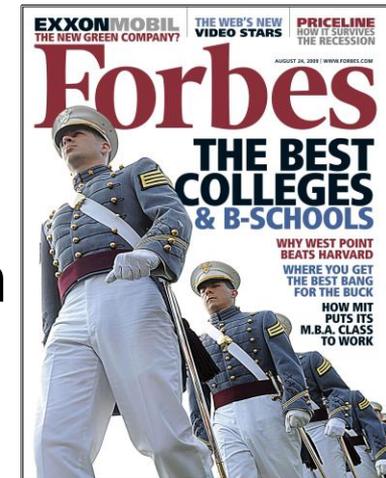
**6 April 2014**  
**Budapest, Hungary**



# WHO AM I?

## ▶ Member of the West Point Senior Faculty

- 20<sup>+</sup> years teaching at West Point
- Professor of Electrical Engineering
- Department Head
- Electrical Engineering and Computer Science – 79 faculty & staff; ABET accredited majors in EE, CS and IT; 4 research centers; serving more than 2300 students annually
- Teaches electrical engineering
  - Signals & Systems, Electromagnetic Fields & Waves, Photonics Engineering, Disruptive Innovations
- Support of both Dean and President



**Forbes 2009 Best College in America**

**2013 Business Insider ranked West Point #8 by Tech Industry**

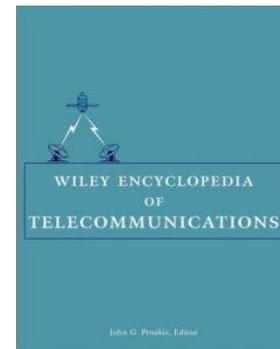
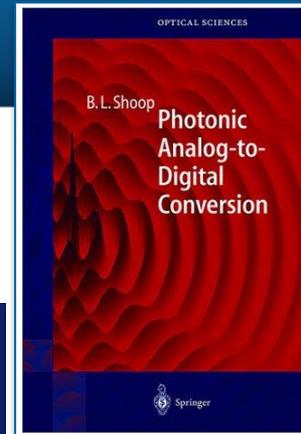
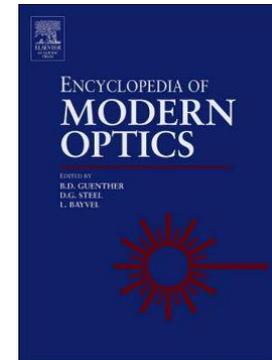
# WHO AM I?

## ➤ Faculty Member & Practitioner

- 1 Patent, 8 books and book chapters, and over 146 publications
- Fellow of IEEE, OSA and SPIE
- 2013 SPIE Educator Award
- 2013 IEEE Haraden Pratt Medal
- 2009 IEEE EAB Meritorious Service Award
- 2008 OSA Robert E. Hopkins Leadership Award

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- Member of the ABET Board of Directors
  - Chair, SPIE Education Committee
  - Past member of the IEEE Board of Directors
  - Past member of the OSA Board of Directors

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- Satellite Communication Project Engineer
  - Chief Scientist for a \$4.5B organization



# WHAT HAVE I ACCOMPLISHED IN IEEE?

## ▶ Vice-President MGA

- Architect of:
  - Regional Geographic Strategy
  - Region 1-6 Strategy
  - Metropolitan Area Workshops



**Santa Clara Metropolitan Area Workshop**

## ▶ IEEE Secretary

- Put IEEE's IT Enterprise back on-track
- Transformed the Governance Committee

## ▶ Region Director

- Led the Transformation of RAB into MGA

2013 IEEE Haraden Pratt Award citation:

"For vision and leadership in improving IEEE operations and governance, and for building a stronger foundation for IEEE's strategic future"



# 1. INCREASED VALUE

## ➤ For Our Members

- Tailored tools, products and services – continuing education; application workshops, conferences and journals; integrating social networking and collaboration tools with information discovery platforms — support professional growth and career security ... with a focus on practitioners

## ➤ For Our Profession

- Increase recognition, prestige and influence of our profession

## ➤ For the Public

- Strengthen IEEE's brand recognition and influence
- Help young people consider engineering, computing and technology for future careers



## 2. AN IEEE FOR THE 21<sup>ST</sup> CENTURY

### ➤ Global Growth

- Grow IEEE around the globe, seek members in all regions
- Support emerging markets in Asia, Latin America and Africa
- Address underserved segments in the United States and other mature markets
- Focus on practitioners worldwide

### ➤ New Modalities of Knowledge Distribution

- Create and deliver *knowledge* rather than *more information*
- Combine traditional papers with on-line interaction, videos, databases, simulation tools and wikis to enrich knowledge content - with a focus on practitioners



# 3. A MORE ADAPTIVE AND INNOVATIVE IEEE

## ➤ Create a Structure and Culture of Innovation

- Create an organizational structure that proactively identifies new markets and potentially disruptive innovations
- Develop a culture that encourages diversity, experimentation, risk-taking, and collaboration

## ➤ Build Strategic Partnerships

- With other professional societies, including organizations in nontechnical areas
- With industry, academia, and governments worldwide

# Thank You!

Danke

Grazi

Spasíbo

Takk

شكرا جزيل

Ngiyabonga

## TAKE AWAY:

- DIVERSE & PROVEN LEADERSHIP EXPERIENCE
- LED CHANGE IN THE IEEE – PRACTITIONER FOCUS
- HAS A VISION AND A PLAN

**Please visit:**

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