



# Agenda

## ▶ IEEE Strategy Update

- What's happened since Berlin meeting in 2012...
- 2013 IEEE SPC AdHoc: Cheri Warren, Chair

## ▶ Director Outreach: Portugal

- J. Moura, G. Setti, M. Bastiaans, P. Staecker

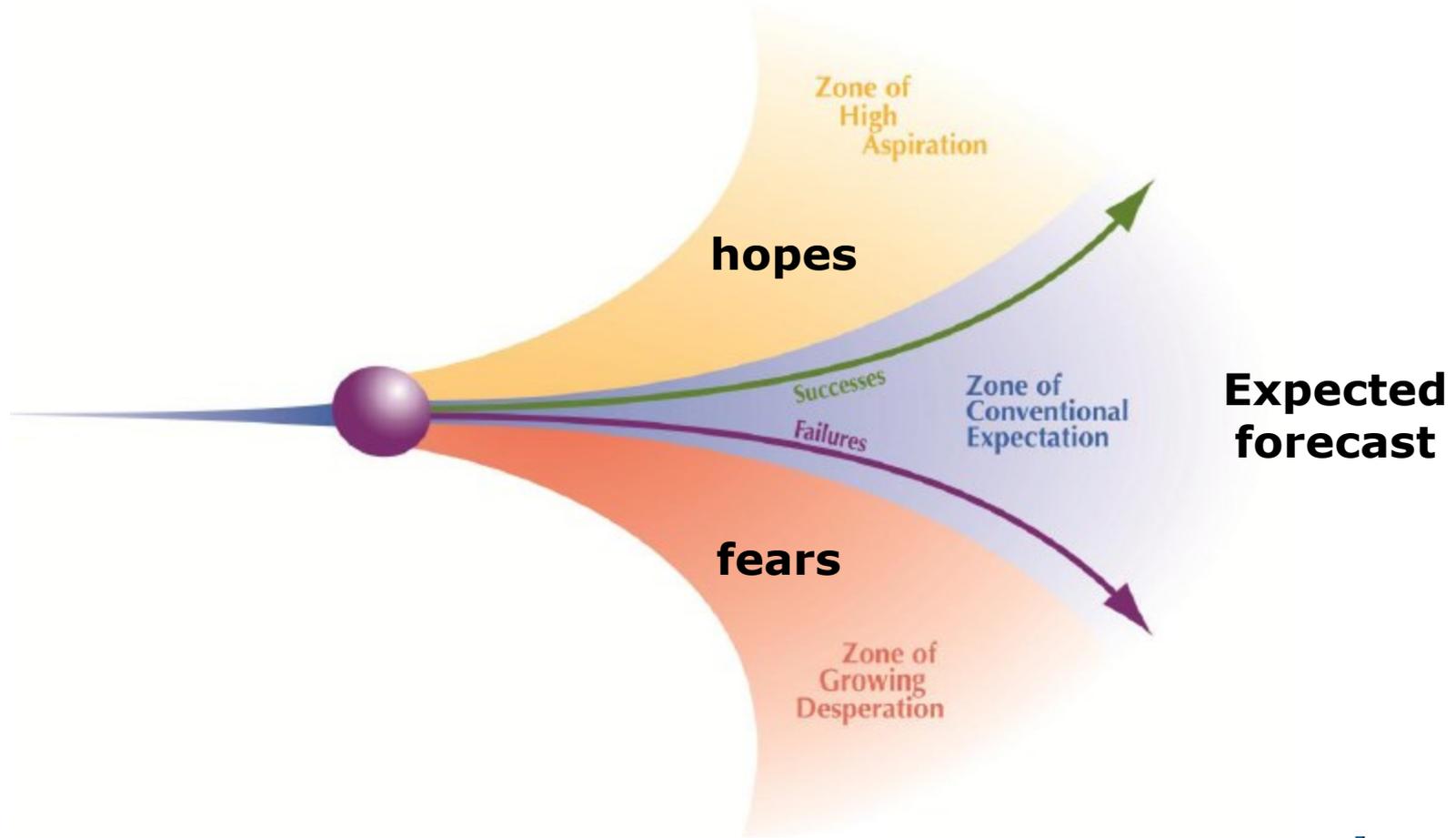
# April 2012 to October 2013

- April 2012 (Berlin): BoD Strategy
  - scenarios and trend study
    - Open Access?
    - Education: the virtual classroom?
    - Social Media?

# April 2012 to **October 2013**

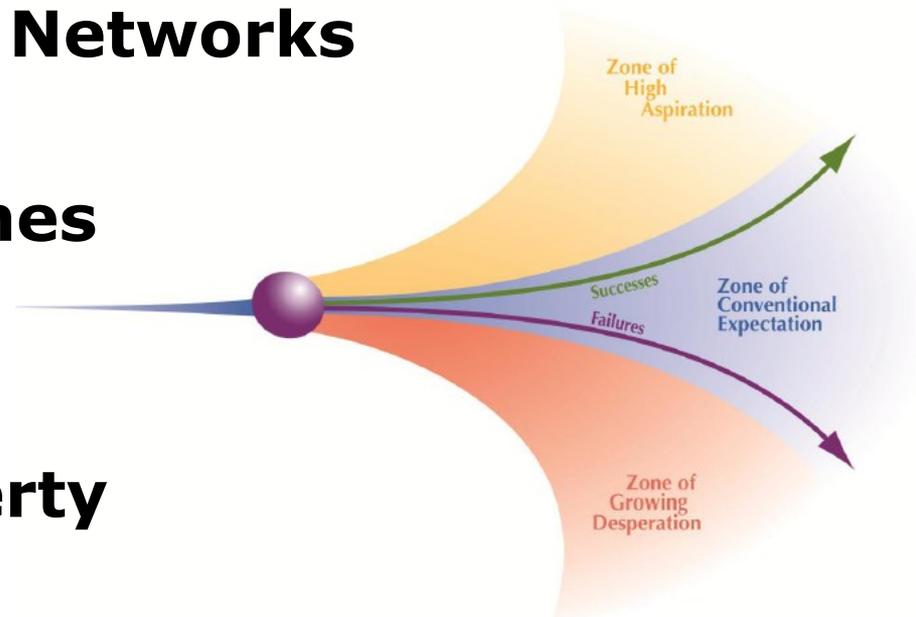
- October 2013 (Sarajevo):
  - scenarios and trend study
    - Open Access - the **5th most downloaded article** from IEEEXplore in July **and** August 2013:
      - Rappaport, T.S, et al, "Millimeter Wave Mobile Communications for 5G Cellular: It Will Work!", **IEEE Access** (May 2013).
    - Education: MOOCs (!)
    - Social Media:
      - **main goal:** develop a set of social networking and collaboration platforms for professionals, offering tools for remote cooperation and productivity enhancement.
      - Vendor will soon be selected
      - **target launch date: 2014 Sections Congress**

# 2013: Trend forecasting



# Trends of interest to our future:

1. Knowledge Creation and Dissemination
2. Intelligent Global Networks
3. Workforce
4. Scientific Disciplines
5. Conferences
6. Energy
7. Intellectual Property
8. Standards
9. Technologies and Generations



# Strategic Issues for IEEE in 2030

- **Remain technically relevant**
- **Shape the future of the Information/Knowledge Business**
- **Develop improved models for peer review**
- **Significant presence in Curriculum Development**
- **Leader in Continuing Education**
- **The trusted developer of Standards**
- **Partnerships, mergers, acquisitions**
- **Match appetite to capacity (Prioritize Programs)**

# Director Visit to Lisbon/Coimbra/Porto

- ▶ **Purpose:** Contact and establish closer relations with local technical community (govt, business, academia)
- ▶ **Organizers:** Jose' Moura (Div IX), Rui Cruz (Portugal Section), others from Carnegie Mellon/PORTUGAL Partnership, Student Branch chapters from many universities, and many other technical leaders.
- ▶ **Visits:** Sept 29, 30; Oct 1,2

# Director Visit to Lisbon/Coimbra/Porto

- ▶ **Sept 29 afternoon:** Nuno Crato (Minister for Higher Education) and Filipe Olivera  
–Topic: STEM
- ▶ Dinner with Manuel Heitor (former Secy of State) and Joao Sentieiro (Director, ISR Lisbon)  
–Topic: International Partnerships
- ▶ **Sept 30:** IST-Alameda, INESC-ID, INESC-MN, INOV; IST-Taguspark: Student Branches from IST, UNL, ISCTE, IPL, IPCB; IST-Taguspark Labs: Affective Computing, Multimedia, Cubesats...

# Director Visit to Lisbon/Coimbra/Porto

- ▶ Affective Computing, Multimedia, Cubesats..., Green Energy, Stem Cell Bioengineering.
- ▶ Session on *Entrepreneurship*: Cristina Fonseca, TalkDesk; Ana Fred, Bitalino
- ▶ Session on *Engineering Education and the NEW Universidade de Lisboa*: A. Cruz Serra, Rector and other speakers, including Gianluca Setti.

# Director Visit to Lisbon/Coimbra/Porto

- ▶ **Oct 1 (Coimbra):** *Panel with Entrepreneurs: Entrepreneurship in Portugal – Challenges.*
- ▶ Instituto Pedro Nunes – visit to the incubator here.
- ▶ **Oct 1 (Porto):** Sessions on *Engineering Education*: Jose dos Santos, Rector U. Porto
- ▶ Panel: Sebastiao de Azevedo, Dean of Engineering, U Porto, and others

# Director Visit to Lisbon/Coimbra/Porto

- ▶ IEEE Activities in the North of the Country: Rui Cruz, Chair IEEE Portugal Section. WIE, Pre-Uni Engineering Education
- ▶ Closing Session: Jose' Moura (Div IX, Director of CMU Portugal), Sebastiao Azevedo (Dean Uporto)
- ▶ Visit INESC-TEC Electric Vehicles Lab, Robotics Lab
- ▶ Visit UPTEC (Incubator) Jorge Goncalves Vice-Rector; speakers include Joao Barros.

# Director Visit to Lisbon/Coimbra/Porto

- ▶ Dinner, then return to Lisbon.
- ▶ **Oct 2 (Lisbon):** (Peter, Joao Claro, Rui Cruz)  
Meet with President of Ordem dos Engenheiros.  
(Guild of Engineers)
- ▶ Visit incubator at Taguspark and start-ups:  
TalkDesk, HeartGenetics, Digisfera.
- ▶ **Outcomes:** Reinforced IEEE ties with local technical community, student branches, and young entrepreneurs; plans to link cubesat activities in Porto to those in Manoa HI,