



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

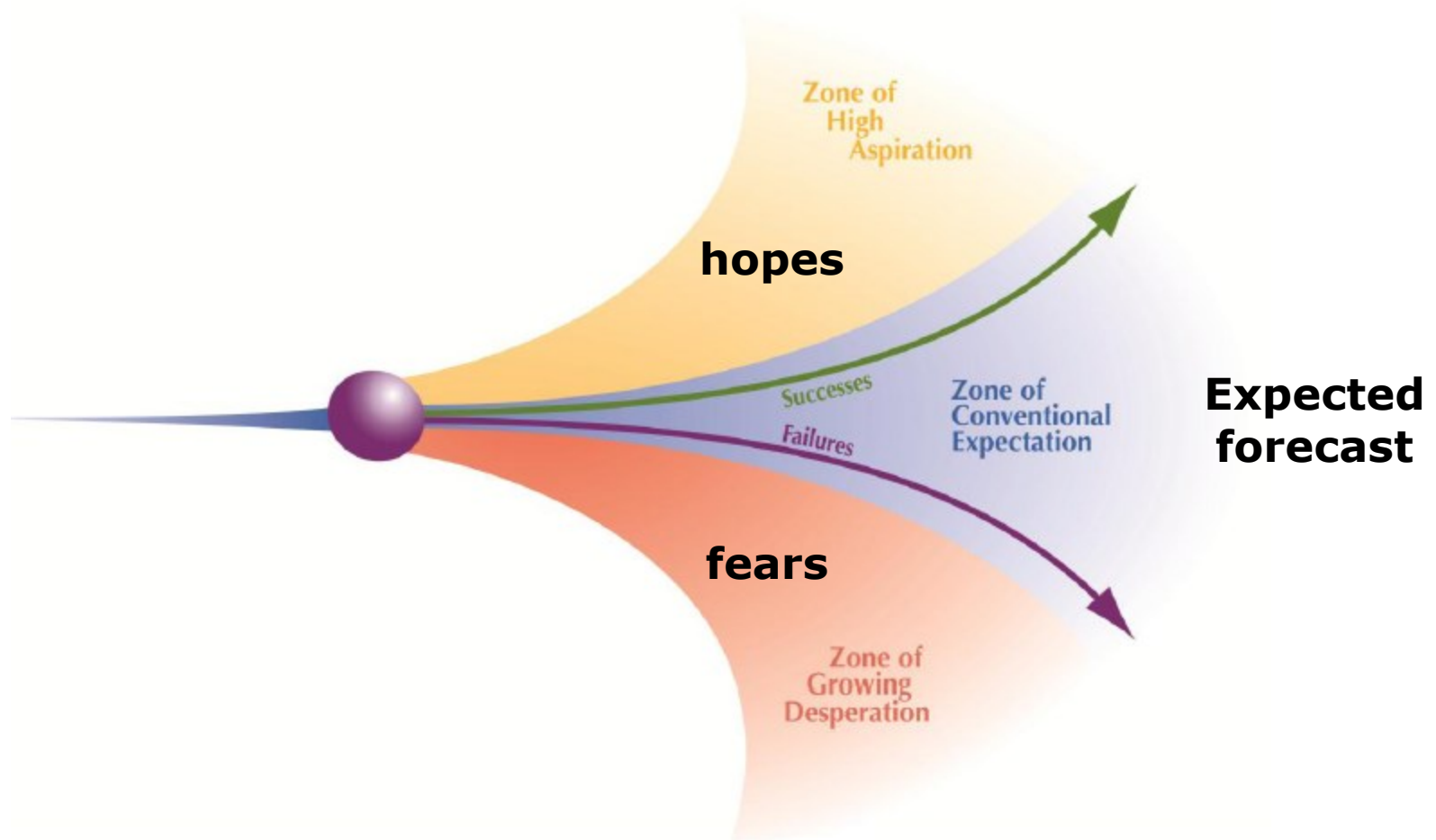
April 2012 to October 2013

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

April 2012 to **October 2013**

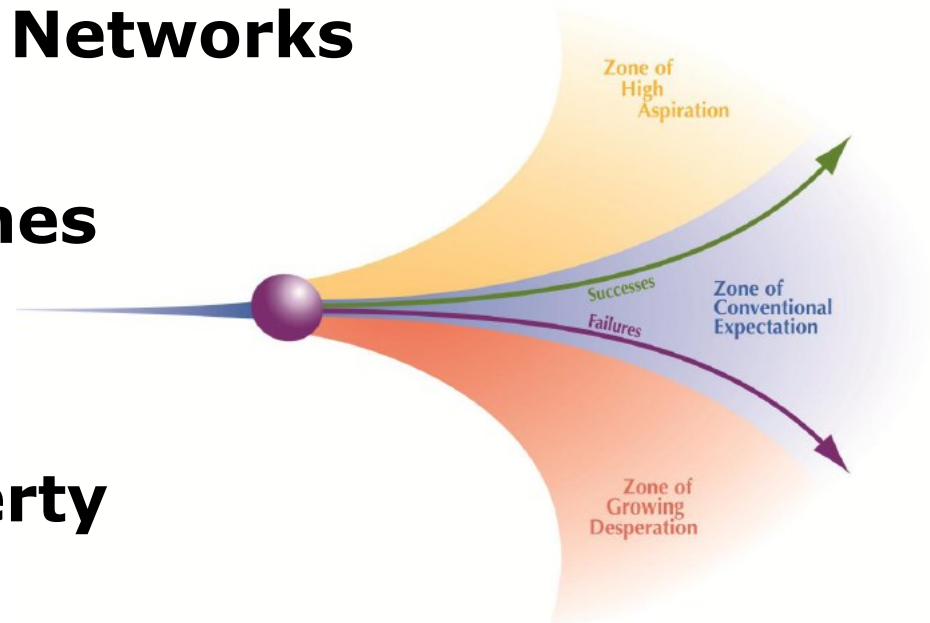
- October 2013 (Sarajevo):
 - scenarios and trend study
 - Open Access - the **5th most downloaded article** from IEEEXplore in July **and** August 2013:
 - Rappaport, T.S, et al, "Millimeter Wave Mobile Communications for 5G Cellular: It Will Work!", **IEEE Access** (May 2013).
 - Education: MOOCs (!)
 - 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,