

2014 IEEE President-Elect Candidate

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University of Strathclyde
Glasgow
Gt Britain
Region 8





Background –TAB, PSPB, EAB, Confs Awards Board, Region 8

- **1994-95** **President** IEEE Signal Processing Society
- **2006-07** **President** IEEE Engineering Management Society
- **2009-11** **Region Director** IEEE ComSoc
- **1996-97** **Chair** IEEE Periodicals Council
- **1998-99** **Founding Chair** IEEE Periodicals Review Committee
- **2003-04** **Vice Chair R8** Technical Activities
- **2009-11** **VP** IEEE Educational Activities Bd



Background

- ***Deputy Principal***

Senior academic providing leadership, vision and strategic direction to University

- ***Vice President*** Royal Society of Edinburgh

- ***Fellow:*** **IEEE**, UK Royal Academy of Engineering, RSE, IET.

- ***Author:*** **350** publications; **40** PhD theses

- ***Directorship:*** Eight organizations - public and private

- **Current *Visiting* Appointments:**

Princeton, University of Southern California;

UESTC- Chengdu, Stirling University



Position Statement

- A. Support for members and their careers***
- B. Technological lead and Standards development***
- C. New approaches to Publications***
- D. Support for Globalization***



Position statement

Support for members and their careers

■ ***Specific Support for industry members***

Enhancing skills base. Support and extend ***career enhancement initiatives – CPD***

International Panel of Chief Executive/Technology Officers - for greater engagement with industry.

Encourage more practitioner-driven and practitioner-oriented conferences.

■ Promote job fares at IEEE Conferences.

■ ***GOLD members-*** Career support through Virtual Network of Mentors.



Position statement

■ ***Technological lead and development***

Promote IEEE global presence in areas such as **Green Technologies**; Smart Grid, Cloud Computing; Life Sciences, Cyber Security, Social Media, **Transportation, and Energy**.

■ ***New approaches to publications***

- **Mass customization** of technological information- *This offers a **new business model** for publications - customer-needs driven and user focused*

- **Multi-lingual journals** - serving members world-wide and opening new markets for IEEE products- *major enhancement of Xplore products.*



Position statement

Support for Globalization

- Focused support for Regional Activities
- More balanced Regional representation in IEEE Leadership
- Deliver *IEEE's Humanitarian Vision*, - with UNESCO **, World Federation of Engineering Organizations; Engineering for Change, Royal Society of Edinburgh
- *Inspire* an interest in the excitement of engineering in school learners through global *Teacher-In-Service Program*.
- *EPICS*
- Promote *Jump into IEEE (Junior Membership)*
- *Multilingualism*



Position statement



Thank you

Q & A.

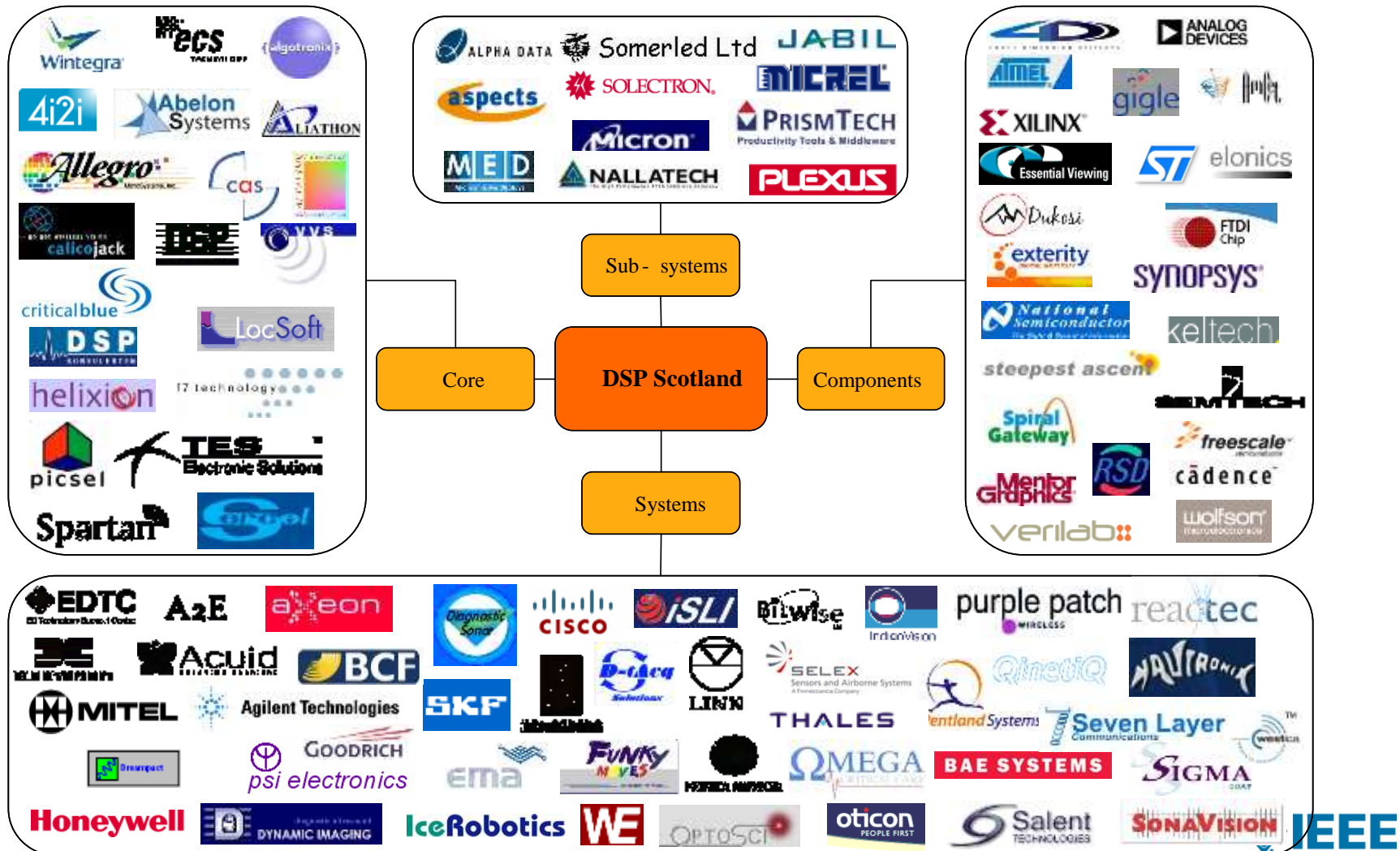
www.tariqdurrani.org



Pledges in 2011

1. Development of educational products to meet demands for continuing professional development.
(Singapore/India; E-learning Library) ✓✓
2. Stimulate interest in uptake of engineering by pre-college students (TISP, Tryengineering expansion) ✓✓
3. Partnering with Chinese Leadership to increase cooperation between Universities and IEEE
(Reform of Engg Edn Conf; Accred visits) ✓✓
4. Enhanced quality of Engineering education
(Global accreditation Activity) ✓✓
5. Develop Network of Heads of Electrical & Computer Engineering Departments -(Initial Activity in South Africa and UK) ✓

DSPscotland Grouping of Companies





- Develop Regional strategy /sectional strategy
- Engagement with local industry, to meet local needs?