

IEEE R8 Division Director-Elect candidate

Tariq S Durrani
University of Strathclyde
Glasgow UK

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Strathclyde



UK Entrepreneurial University
of the Year 2013/14
UK University of the Year
2012/13



Position Statement

A. Support for members and their careers

B. Greater influence of R8 members

C. Support for Globalization

Position statement

Support for Members and their careers

- Enhancing skills base. Support and extend ***career enhancement initiatives – CPD***
- ***Metropolitan Area Networks***
- Encourage more practitioner-driven and practitioner-oriented conferences in R8.
- Promote job fares at IEEE R8 Conferences.
- Career support for Young Professionals and seek reduced Membership Fees on graduation.

Position statement

Greater representation of R8 members

- Increased nomination of Regional experts for IEEE Prizes and Medals.
- Increased nominations for Senior and Fellow grades
- Greater involvement and influence on Societies' activities held in Region/Section.

Position statement

Support for Globalization

- Closer involvement with Industry
- Greater affiliation with National Organizations and other IEEE Regions – Triple Helix nexus
- Partner with global organizations such as UNESCO to promote *IEEE's Humanitarian Vision*, particularly in Africa
 - *UN Sustainable Development Goals*
- Promote Innovation and Entrepreneurship by establishing keynote projects to support Region 8 talent.

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

- 2009-11 VP IEEE Educational Activities Board
- 2009-11 Region Director IEEE Cosmo
- 2006-07 President IEEE Engineering Management Society
- 1994-95 President IEEE Signal Processing Society
- 1996-97 Chair IEEE Periodicals Council
- 1998-99 Founding Chair IEEE Periodicals Review Committee

Background –Region 8

- 2003-04 Vice Chair R8 Technical Activities
- 2001-02 Chair Conference Coordination Committee
- 2003-04 Member Industry Relations Committee
- 2007-08 Member Chapter Chair Coordination Committee

Background

- *Deputy Principal:* Senior academic providing leadership, vision and strategic direction to University.
- *Vice President:* Royal Society of Edinburgh
- *Fellow:* UK Royal Academy of Engineering, IEEE, RSE, IET, TWAS.
- *Author:* 350 publications; 40 PhD theses
- *Directorship:* Eight organizations – public and private
- *Visiting Professor:* Princeton, University of Southern California; UESTC- Chengdu, Stirling UK

Position statement





The True Size of Africa

A small contribution in the fight against rampant cartography by Kai Krause

Graphic layout for visualization only (some countries are cut and rotated)
But the conclusions are very accurate; refer to table below for exact data.

COUNTRY	AREA ± 1000 km²
China	9.597
USA	9.528
India	3.287
Russia	1.364
Peru	1.285
France	633
Spain	505
Papua New Guinea	462
Sweden	441
Japan	378
Germany	357
Norway	324
Italy	301
New Zealand	270
United Kingdom	243
Nepal	147
Bangladesh	144
Greece	132
TOTAL	30.102
AFRICA	30.221

In addition to the well known social issues of *illiteracy* and *numeracy*, there also should be such a concept as *"inmappancy"*, meaning *insufficient geographical knowledge*.

A survey with random American schoolkids let them guess the population and land area of their country. Not entirely unexpected, but still rather unsettling, the majority chose "1-2 billion" and "largest in the world", respectively.

Even with Asian and European college students, geographical estimates were often off by factors of 2-3. This is partly due to the highly distorted nature of the predominantly used mapping projections (such as Mercator).

A particularly extreme example is the worldwide misjudgement of the true size of *Africa*. This single image tries to embody the massive scale, which is larger than the *USA, China, India, Japan and all of Europe..... combined!*

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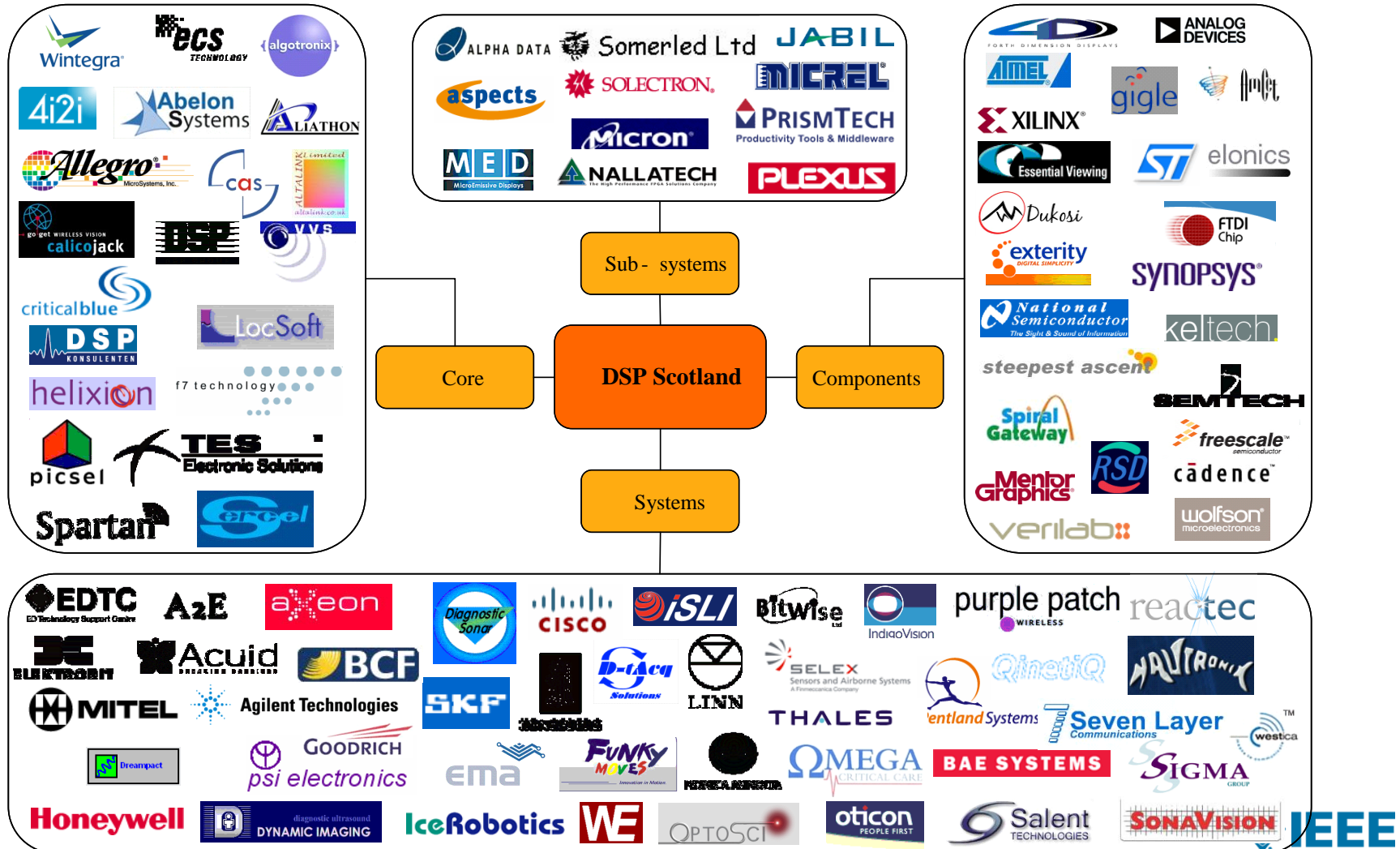
Top 100 Countries

Area in square kilometers, Percentage of World Total
Source: Britannica, Wikipedia, Germany 2010

	Area km²	%
1	9,984,670	19.6
2	9,528,690	19.2
3	8,596,965	17.2
4	7,963,997	15.9
5	7,832,582	15.6
6	7,530,804	15.0
7	7,244,610	14.5
8	7,190,400	14.4
9	7,190,400	14.4
10	6,995,666	14.0
11	6,868,800	13.8
12	6,868,800	13.8
13	6,868,800	13.8
14	6,868,800	13.8
15	6,868,800	13.8
16	6,868,800	13.8
17	6,868,800	13.8
18	6,868,800	13.8
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92	6,868,800	13.8
93	6,868,800	13.8
94	6,868,800	13.8
95	6,868,800	13.8
96	6,868,800	13.8
97	6,868,800	13.8
98	6,868,800	13.8
99	6,868,800	13.8
100	6,868,800	13.8
World Total	51,000,000	100.0



DSPscotland Grouping of Companies



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THE AWARDS

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