Candidate for
2022 IEEE Region 8
Vice-Chair: Technical Activities:

Albert Lysko

R8 meeting in Cairo, 16 October 2022

Who is Albert?

- ▸ Person
- ▸ Professional
- ▸ Volunteer
- ▸ Matching vs position requirements

Personal background

▸ Live in South Africa

▸ Family highlights:
- One daughter
  • One granddaughter and one grandson

Researcher/Professional

▸ PhD from the Norwegian University of Science and Technology, Trondheim, **Norway**

▸ **Principal Researcher**: *Council for Scientific and Industrial Research* (CSIR), Pretoria, South Africa,

      and **Adjunct Professor**: *University of Cape Town*, South Africa

- **Professional interests**: telecommunications, focus on wireless

▸ **CSIR says about me** (see https://www.csir.co.za/dr-albert-lysko):
- 20,000 pupils and teachers in 2 African countries connected to Internet
- Enabled national TVWS regulations
- 100+ papers, popular science and news articles, 3 patents, 2 book chapters, …

▸ **Results & Awards**:
- TVWS now works in South Africa (team)
- **4 best paper awards**, national and CSIR awards, delivery **of plenary, keynote, and invited talks**

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Volunteer

- **Work hard** – organized/co- organised over 100 events + 3 conferences over ~10 y

- **Take initiative, achieve many "first-ever"**, e.g.
  - R8 MD workshop for Africa
  - *MGA Outstanding Medium Section Award* for South Africa Section (I was Section Chair)

- **Rich volunteering experience** at all levels and **know how IEEE works**: Chapters, SB, SBC, Section, R8, MGA, Societies and IEEE (20+ positions)

- **Understand on Section's needs** – proven by 3 IEEE awards related to me being Section Chair
  - R8 Volunteer Award
  - MGA Achievement Award
  - R8 Best Poster "Africa for Africa"

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Matching criteria listed for Vice-Chair: Technical Activities Candidate *in R8 ByLaws and Ops Manual:*

▸ **Coordination of the technical activities of Region 8**
- ChCsC – found efficient ways to work with 1000+ Chapters in R8,
- member in CoCsC
- personal experience from running 3 conferences and 100+ events,
- volunteer development via trainings (e.g. MD workshop, via Africon, via a dedicated event, multiple 1:1 sessions)

▸ **Interface to the Technical Activities of IEEE**
- experience from Chairing ChCsC;
- member of 11 IEEE Societies & Technical Councils and SA;
- am also working with several Societies/Technical Councils (incl. co-founder of a subcommittee in APS) and Standartisation Association (e.g. standards P145, P1900, …)

▸ **Interface to corresponding functions in the MGA Board**
- Strong existing relationship with MGA people – discussions with MGA,proposals for MGA (some accepted), always got info I asked for, got MGA Award, was on MGA vTools committee

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Matching Vice-Chair: Technical Activities Candidate **Criteria** *(listed in R8 ByLaws and Ops Manual)*

▸ <u>Being</u> **the focal point for the following activities in Region 8**:

- **Chapter Coordination** – was a R8 Chapter Coordination Chair, revitalized it, incr. no of R8 Chapters, still am in ChCsC

- **Conference Coordination** - am a member in CoCsC, got a strong commendation from the Chair of one of the conferences I was overseeing (IEEE RTSI'22)

- **Professional and Educational Activities** – have been promoting their offerings in most of my presentations for many years now

- **Action for Industry** – I am with industry (CSIR) and understand their needs, did a short SM elevation programs to elevate industry leaders

- **Standards** – am a member of several standards groups, hosted standards talks, used and promoted IEEE standards

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POSITION STATEMENT: 2022 IEEE Region 8 2022 Vice-Chair: Technical Activities Candidate

- In every role I take, I focus on creating a positive impact and on being useful to the people I serve and work with
  - proven by a track record of successes and numerous awards

- I will *apply my energy and creativity and hold the flag of IEEE Region 8 high,*

- focus on understanding, attending to and addressing the Sections' needs

- oversee coordination between subcommittees

- continue & expand work with TA & MGA

- offer guidance and support to the R8 TA subcommittees, targeting our members' and Sections' needs

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IEEE ACTIVITIES

- **AWARDS**:
- * 2020 MGA Achievement Award
- * 2020 IEEE Region 8 Volunteer Award
- * 2019 IEEE MGA Outstanding Medium Section Award
- * IEEE Region 8 BEST POSTER/ work in "Africa for Africa": Athens, March 2018

- **COMMITTEES/BOARDS: (IEEE Major Boards and Committees)**
- * Vice-Chair: IEEE Ethics and Member Conduct Committee (EMCC), 2022-
- * Chair: IEEE EMCC Member Support and Conduct subcommittee, 2022-
- * MGA vTools committee member, 2020-21

- **REGIONS: (Region 8 and others)**
- * Chair: IEEE Region 8 Chapters Coordination subcommittee Chair, 2018-19
- * Member: IEEE R8 Awards & Recognitions subcommittee, 2021-22
- * Member: IEEE R8 Conference Coordination subcommittee, 2021-22
- * Member: IEEE R8 Chapter Coordination subcommittee, 2021-22
- * Member: IEER R8 Sections Vitality and Development subcommittee, 2019-20
- * Member/contributor: IEEE Africa Area/Council, 2017-2019
- * Member: IEEE Region 8 Membership Development subcommittee, 2018-
- -- AWARD: IEEE Region 8 BEST POSTER/ work in "Africa for Africa": Athens, March 2018
- * Member: IEEE Region 8 Committee, 2017-

- **SECTIONS/CHAPTERS:**
- * Chair: IEEE South Africa Nominations & Appointments Committee, 2019-
- * Past Chair: IEEE South Africa Section, 2019-2020
- * Chair: IEEE South Africa Section, 2017-2018
- -- Drove and supported establishing 2 new Chapters (NPS/MAG/IM/PC, 2020 and VT06, 2018) and a new Student Branch (UWC IEEE SB, 2018)
- -- AWARD: 2019 MGA OUTSTANDING MEDIUM SECTION AWARD (for 2018)
- -- AP/EMC/MTT Chapter received "Best Chapter" award from MTT-S
- * Chair: IEEE South Africa Section Awards and Recognitions, 2016-
- * Vice-Chair: IEEE South Africa Section, 2015-2016
- * VTools Chair: IEEE South Africa Section, 2012
- * Past Chair: IEEE South Africa Joint AP/MTT/EMC Chapter, 2015-2016
- * Chair: IEEE South Africa Joint AP/MTT/EMC Chapter, 2013-2014
- -- Chapter conference (2014) with 90+ attendees and 6 int'l plenary speakers
- * Drove and supported establishing 2 new Chapters (NPS/MAG/IM/PC, 2020 and VT06, 2018) and a new Student Branch (UWC IEEE SB, 2018)
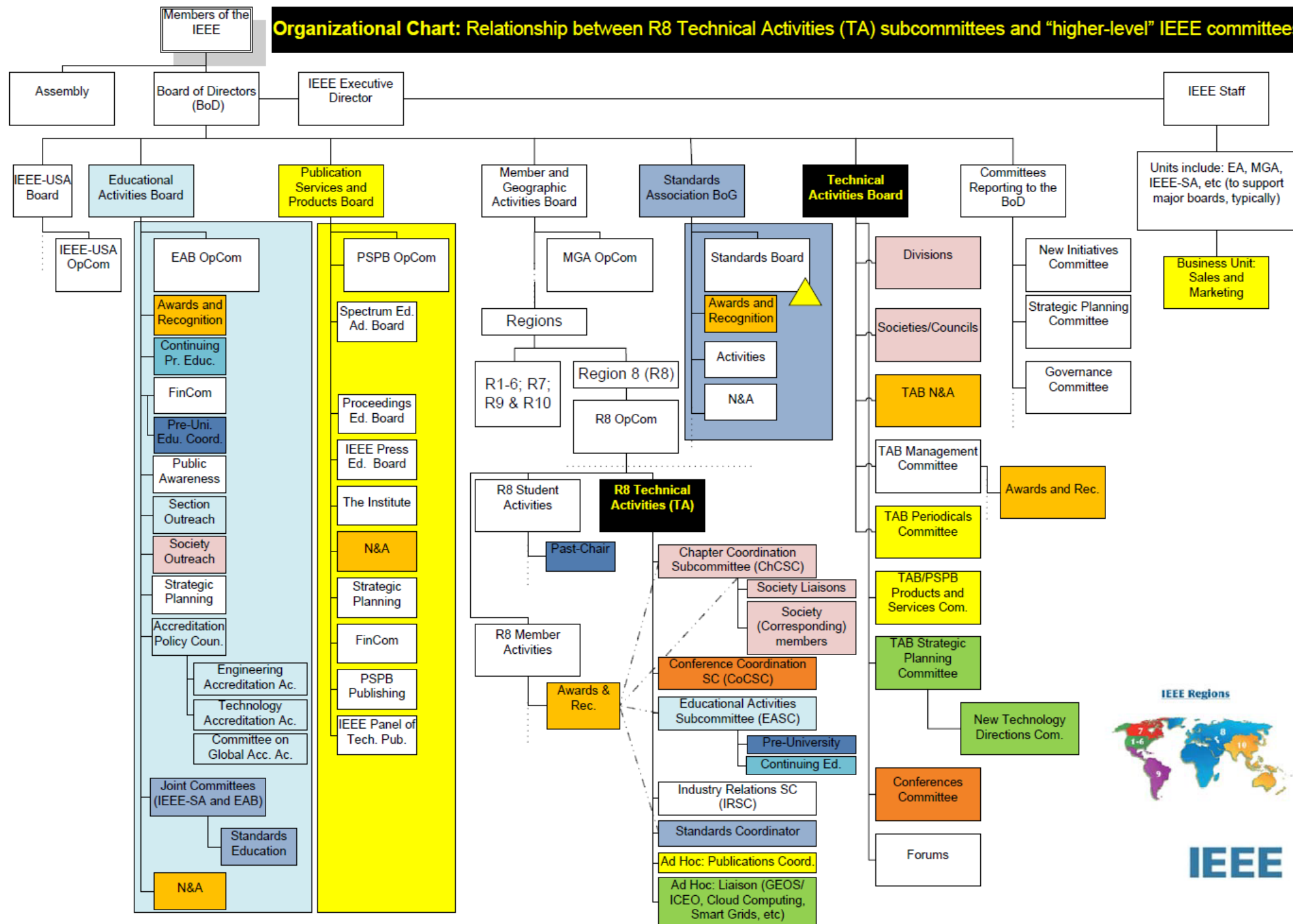
- **CONFERENCES:**
- * Lightning Talks Chair: IEEE ComSoc GlobeCom 2022
- * Sponsorship Chair: IEEE Wireless Africa Conference Aug 2019
- * Sponsorship Chair: IEEE 5G Summit Pretoria, May 2019
- * TECHNICAL CHAIR: IEEE R8 flagship conference Africon 2017 (200+ talks), Sep 2017
- * GENERAL CHAIR: 3rd IEEE Int'l Conf. on Advances in Computing, Comm. and Eng. (ICACCE-2016): 140+ submissions, 70+ talks
- * CO-ORGANIZER for the ESoA course «Antennas for Radio Telescopes» held in in 2016 (19 students + 7 lecturers from Africa and Europe) and co-sponsored by IEEE AP-S
- * CO-ORGANIZER: South African IEEE Joint AP/MTT/EMC Chapter Conference 2014 held in May 2014 (90+ attendees)
- * MAIN ORGANIZER and Chair: Special Technical Session: "Cognitive Radios, Dynamic Spectrum Management and ... Digital Dividend" at the conference IEEE R8 Africon 2011, Zambia (25 submissions; 12 talks; 2 papers won "best paper" awards, out of 5 such awards in this conference)
- * LEADING POSITIONS in many international conferences, since 2008

- **OTHER: (Society Memberships)**
- * Member in 11 Societies and IEEE SA:
- * IEEE AP-S Education committee member, 2015-
- -- co-founder of online resources subcommittee
- * IEEE AP-S SIGHT committee member, 2018-
- * IEEE 5G/Future Networks Testbed Roadmap Working Group (WG) member, 2017-
- * IEEE SA committees 145, 1600-6a, P2061

Organizational Chart: Relationship between R8 Technical Activities (TA) subcommittees and "higher-level" IEEE committees