

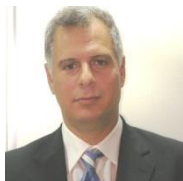
Action for Industry in IEEE R8 reconnecting with Industry

**Afl at R8 Committee
24th – 25th September 2016**

Action for Industry 2015-2016 Team



- ❖ **Nihal Sinnadurai** (UK and Ireland Section),
Afl Chair 2015-2016 (sinnadurai@aol.com)



- ❖ **Marios Antoniou** (Cyprus Section), R8 Industry Ambassador for
Europe South (marios.antoniou@cyta.com.cy)



- ❖ **Mohamed Amin** (Egypt Section), R8 Industry Ambassador for
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- ❖ **John Matogo** (Kenya Section), R8 Industry Ambassador for
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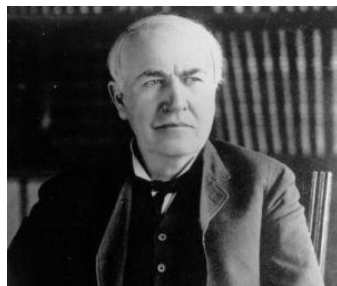
- ❖ **Toni Mattila** (Finland Section), R8 Industry Ambassador for
Europe North (toni.mattila@investinfinland.fi)

Action for Industry Objectives

- To move IEEE closer to industry by creating platforms for delivering credible and sustainable value to industry. Thereby we in Region 8 aim to restore the roots of IEEE which started with industry

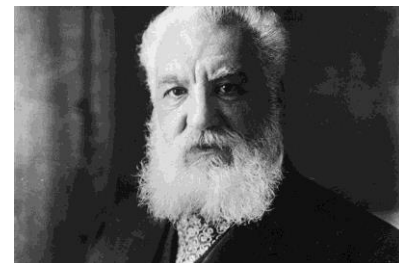
Thomas Edison

Electric power
industry



**Alexander
Graham Bell**

Telephony industry



Measures

- The Action plan is systematic, avoiding slogans and unrealistic intentions. Because the plan is systematic, we measure progress by each stage of achievement.

Challenge

- The serious challenge is whether industry, which has been significantly neglected, would be persuaded to open up co-operation with IEEE. We have made progress.

Action for Industry Progress

Progress

Afl team filtered and Identified all IEEE Senior Members and Fellows in Industry throughout R8 . Evidently IEEE members' industry affiliations have never previously been sought.

Action agreed by IEEE: All IEEE renewals and joining will have
☐ Industry, ☐ Academia, ☐ Government, ☐ Other tick boxes

Industry Seniors and Fellows have been recruited as Mentors

Briefings about Mentoring are now on the R8 website

<http://www.ieeer8.org/category/technical-activities/action-for-industry/mentoring/>.

Industry Mentors are now listed on the R8 website

<http://www.ieeer8.org/category/technical-activities/action-for-industry/mentors/> . Young IEEE engineers can reach out to them for guidance.

Action for Industry Progress

- Afl Ambassadors reached Industry companies through Seniors and Fellows
- Sections have appointed Industry members as Section Industry Ambassadors (SIA)

Action by IEEE: vTools to be amended to SIA instead of IRO

Action for Industry Progress

- Our R8 Industry Ambassadors have worked intensively and with SIAs and have established effective and friendly contact with many companies across Region 8, and obtained Internship offers.
- **We have had excellent contributions from a number of Section Chairs and Section Industry Ambassadors. We seek more involvement.**
- At SYP 2016, a number of YPs volunteered to join with their SIAs to support the Afl programme
- A number of companies have recognised the value of the Afl initiative and willingly contributed to our plan.
- At SYP a participating global company volunteered that they will provide 60 Internship offers across Region 8 in 2017
- New MoUs are being agreed in Africa and Middle-East

Action for Industry Progress

Participating Companies

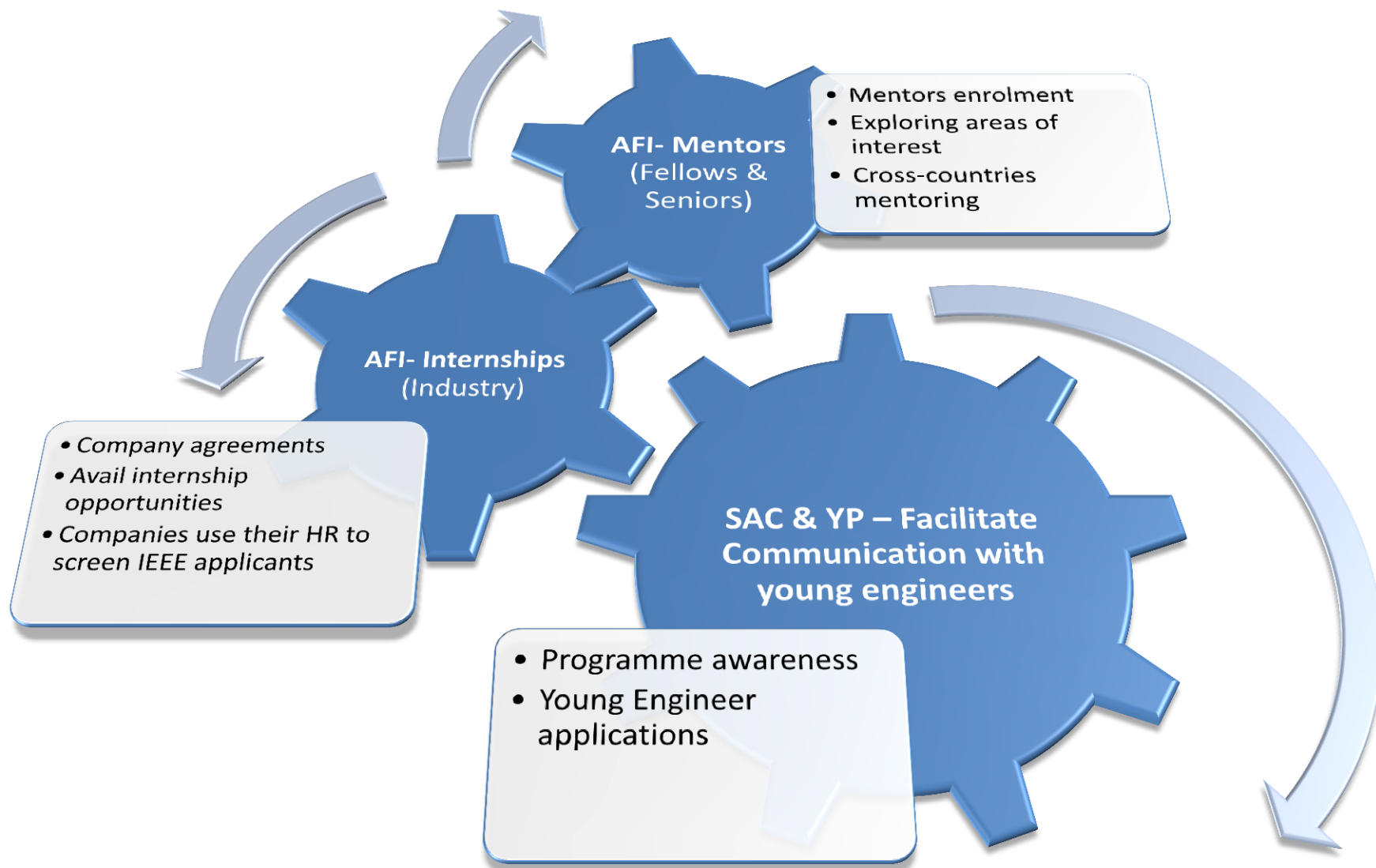


- R8 will be sending *Certificates of Appreciation* to all the companies that have participated in the Internship initiative.



Action for Industry Progress

- Briefings about Internship are now on the R8 website:
<http://www.ieeer8.org/category/technical-activities/action-for-industry/internships/> .
- Internship offers obtained are listed on the R8 Website:
<http://www.ieeer8.org/category/technical-activities/action-for-industry/internships-offered/>.
- Companies seek high ability IEEE Students. They will be very selective and those who show commitment, communicate well and have good interpersonal skills. These are most likely to be offered places.

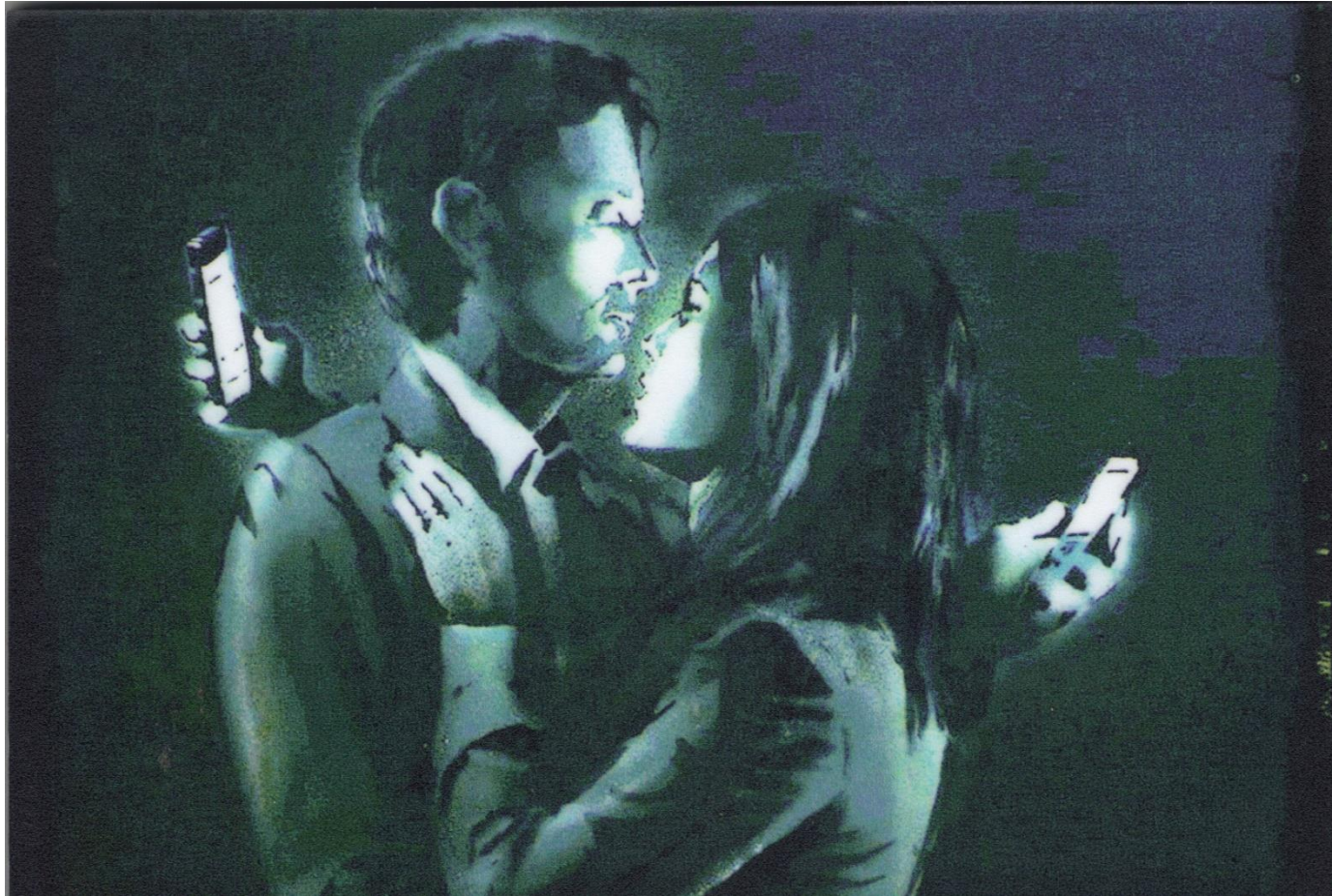


Action for Industry Progress

Status

- We are pleased that many of our IEEE young engineers have applied and been accepted for Internships, and also sought contact with Mentors.
- Our guidance to those making such Internship applications and seeking to contact Mentors:
 - Do not send hurried, badly prepared, requests from your 'phone
 - Be polite
 - Be informative without being arrogant
 - These are opportunities, to learn, to benefit, to impress with skill and hard work
 - These are not your rights, but opportunities (quote JFK)
 - When seeking to enter industry note that Skill is not enough, Intelligence is not enough, you must also have or develop positive Interpersonal abilities.

Observations and Guidance to young engineers



Observations and Guidance to young engineers



Action for Industry Progress

Status

- More than 100 IEEE Students have been placed in Internships throughout Region 8. Additionally, many IEEE Students and YPs have sought Mentoring. The Mentors have responded positively to the Mentees.
- R8 Hardship fund managed by Afl
- R8 will be sending *Certificates of Appreciation* to all the companies that have participated in the Internship initiative.

Action for Industry Progress

- If the IEEE Interns who have been placed demonstrate excellent technical and interpersonal skills, we expect to impress the companies who offered these positions.



- These will be steps to move IEEE closer to industry by delivering credible and sustainable value to industry.
- We will build on these positive relationships with industry to involve the companies in IEEE activities beyond just standards,
- We propose corporate awards to recognise our industry partners.

Action for Industry Progress

- We are grateful that the successful progress of Afl has received commitment from Region 8 OpCom to continue into the future.
- We are grateful for the R8 OpCom hardship fund that has been made available.

*Thank
you*



Action for Industry Next Steps

Immediate next (2016/2017):

- **THANKS** to sections who appointed:

“IEEE Section Industry Ambassadors (SIA)”

I. More proactive than IRO.

II. Works internally to establish connections with their industry members and with both large and small companies in the country.

III. Works externally to co-ordinate with the Region8 IAs in implementing Afl plan.

- **Expand** the SIA teams to include YPs in industry.

Encourage Young Professionals in Industry to be (SIA)

(Note that each Section rebate must include budget for Industry activity. Where funds may be low, Section to provide a fully justified proposal to R8 for funding. In the longer term, IEEE Board to create budget for Industry actions).



Action for Industry Next Steps

Immediate next (2016/2017):

- Receive feedback for internships and mentoring from all stakeholders (Students, YPs, Companies, Mentors).
- Communicate with companies to seek new internship positions for 2017. Note that companies define their budgets for 2017 during September and October 2016.
- Grow the Afl internship programme to new companies via SIAs, Seniors & Fellows.
- R8 (in 2017 Awards) and IEEE global to include outstanding SIA recognitions for their contribution and results in 2016.

Action for Industry Next Steps

2017 Plan:

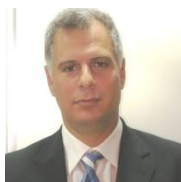
- IEEE Region 8 Afl to set up Industry Groups of Industry Leaders through the Seniors and Fellows
- IEEE Region 8 to provide forums for SMEs
- IEEE to set up nation-wide platforms for Industry OutReach to schools
- Corporate Membership of Industry Companies – not provided yet by IEEE, but precedent is the IEEE Standards Association. Corporate Membership shall have no voting rights. The benefit is the motivation of companies to be involved with IEEE and their motivation of employees to join. IEEE may offer reduced fees to employees of Corporate members.

Action for Industry Next Steps

Later

- Encourage industry entrepreneurs to visit academic institutions and discuss the challenges they face in their daily work.
- Invite industry entrepreneurs to serving on “design project” evaluation committees.
- Introduce industry to the types of projects done by students

Action for Industry 2017+ Team



- ❖ **Marios Antoniou** (Cyprus Section), Afl Chair
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Action for Industry Progress

Thank you for listening and for working with us as
one team

