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- BSc in Mechatronics
- MSc in Biomedical Engineering
- PhD student in Applied Informatics
- IEEE member since 2013
- IEEE SMCS Young Professional Subcommittee member (2014-2015)
- IEEE SMCS Chair of Student Activities Subcommittee (2015-)

Who can be a Student member?

- ▶ Two levels:
 - Student member
 - Graduated student member

Who can be a Student member?

Student member:

A Student member must carry at least **50% of a normal full-time academic program** as a registered undergraduate or graduate student in a regular course of study in IEEE-designated fields. The total cumulative period for a member to hold the Student member grade and/or the Graduate Student member grade is **limited to eight years**.

Student members, upon graduation or upon reaching the eight-year limit (whichever occurs first), with a baccalaureate or higher degree (or its equivalent) from an accredited institution in an IEEE-designated field will be transferred automatically to member grade.

Student members outside of the IEEE-designated fields, upon graduation or upon reaching the eight-year limit (whichever occurs first), will be transferred to Associate member grade.

Who can be a Student member?

Graduated student member:

A Graduate Student member must carry at least **50% of a normal full-time academic program as a registered graduate student in a regular course of study in IEEE- designated fields**. The total cumulative period for a member to hold the Student member grade and/or the Graduate Student member grade is limited to eight years.

Graduate Student members, upon graduation or upon reaching the total cumulative eight-year limit as a Graduate Student member (whichever occurs first), will be transferred automatically to member grade.

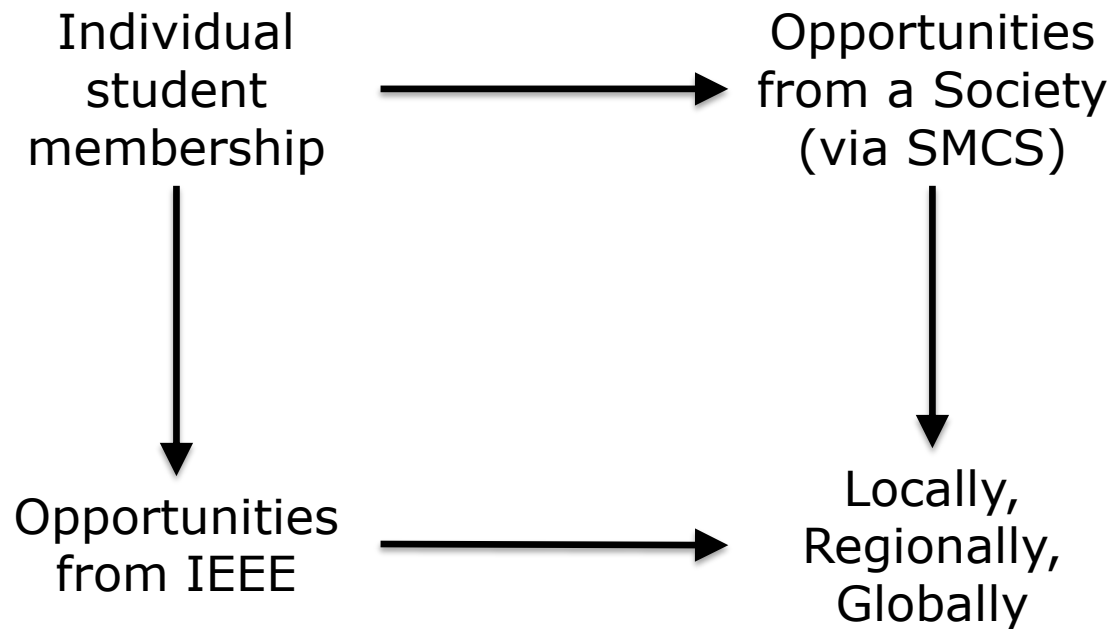
Statistics

- more than 426,000 members in more than 160 countries, more than 50 percent of whom are from outside the United States;
- **more than 117,000 Student members;**
- 334 Sections in ten geographic Regions worldwide;
- 2,116 Chapters that unite local members with similar technical interests;
- 2,669 student branches at colleges and universities in 80 countries;
- **922 student branch chapters of IEEE technical societies;**
- 440 affinity groups; IEEE Affinity Groups are non-technical sub-units of one or more Sections or a Council. The Affinity Group patent entities are the IEEE-USA Consultants' Network, Young Professionals (YP), Women in Engineering (WIE), and Life Members (LM).
- has 39 Societies and six technical councils representing the wide range of IEEE technical interests;

What offers IEEE to a Student member?

- Socially
- Professionally

Where is a Student member in the IEEE



Social opportunities

- Community and networking
- Improve social skills
- Volunteering
- Scholarships
- Grants
- Awards
- Life-long opportunities

Professional opportunities

- ICT solutions
- Access to IEEE related materials
- Professional education, life-long learning
- Publication
- Competition
- Job site

Community and Networking

► From quick facts:

- more than 426,000 members in more than 160 countries, more than 50 percent of whom are from outside the United States;
- more than 117,000 Student members;
- 334 Sections in ten geographic Regions worldwide;
- 2,116 Chapters that unite local members with similar technical interests;
- 2,669 student branches at colleges and universities in 80 countries;
- 922 student branch chapters of IEEE technical societies;
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Community and Networking

Geographical levels		
Local (in a Country)	Regional (from IEEE Regions)	Global (IEEE Worldwide)
Student Branch Chapter	IEEE Region Student Activities	Student Chapter of a Society
Local Young Professional Chapter	IEEE Region Young Professionals	Global Young Professionals
IEEE Section in a Country	IEEE Regional Community	IEEE Community
IEEE Society Chapter		IEEE Society

Community and Networking

Student Branch Chapter

- ▶ What is it?
- ▶ **A Student Branch Chapter** is a technical sub-unit of a Student Branch constituted by a **minimum of six (6) IEEE members of Student Member or Graduate Student Member grade of a Society** and established by petition to the parent Student Branch and Society concerned to represent and fulfill the needs of the members and the missions of IEEE. A Student Branch Chapter functions in a manner similar to a committee of the Student Branch.

Community and Networking

Student Branch Chapter

- How to operate a Chapter
- A Student Branch Chapter is required to maintain a membership of not fewer than five (5) IEEE members of Student Member or Graduate Student Member grade, and to hold not less than two technical meetings per year, and maintain a level of activity acceptable to the Society President, the Regional Director, and the Region Student Activities Committee Chair.

Community and Networking

Student Branch Chapter

- Benefits of existence
- Advantages to be a member
- Possible activities

Improve skills

- Cooperation
- Team working
- Volunteering
- Presentation

Scholarships

- Mostly connected to different societies
- In a related topic
- Example: The Charles LeGeyt Fortescue Scholarship for Electrical Engineering students (The scholarship carries a stipend of up to US\$24,000 and is awarded for one year of full-time graduate work in electrical engineering at an engineering school of recognized standing located in the US. This scholarship is awarded annually.)

Volunteering

- The meaning of volunteering is different than the usual meaning
- In a nutshell: participation in the operative parts regarding to IEEE student activities on every level
- A substantial part of IEEE based on volunteering
- Example: Student officers in Student Branch Chapters, Societies, Chapters – like Chairs, Treasurer, etc.
- How to be and act as a Volunteer (later)
- „Regular“ Volunteering (Charity)

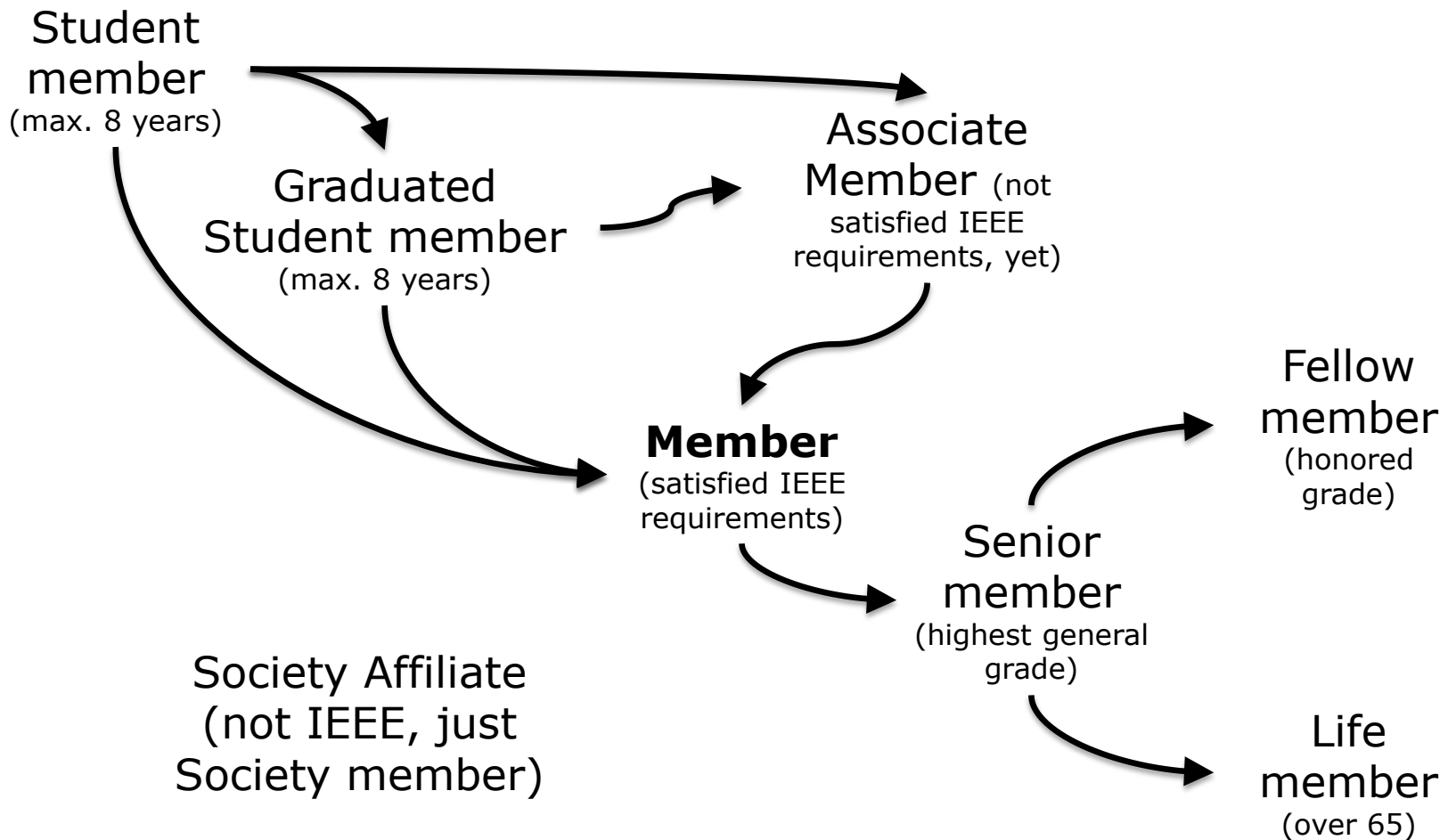
Grants

- Goal: „IEEE is pleased to offer a number of Student Travel Grants to assist Student Members in attending conferences and presenting papers”
- Connected to different Societies (Travel Grants, Publication Grants)
- Connected to IEEE Foundation Student grants

Awards

- Offered by Societies (Student Paper, Outstanding Society Student, Best Student Invention, etc.)
- Offered by IEEE:
 - IEEE Student Enterprise Award
 - Larry K. Wilson Regional Student Activities Award
 - IEEE Regional Exemplary Student Branch Award
 - IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award
 - The Darrel Chong Student Activity Award

Life-long opportunities



ICT solutions

- ▶ IEEE account
- ▶ Google@Apps
- ▶ MyIEEE
- ▶ Regarding to Volunteering
- ▶ Strong social media presence on every platform (Facebook, Twitter, LinkedIn, etc)
- ▶ ICT for mentoring programmes (IEEE or Society)

IEEE account

- Most important!
- Access to all IEEE systems

Google@Apps

- ▶ IEEE offers a Google@Apps users for every individual member
- ▶ Advertisement free
- ▶ IEEE full service in: Gmail, Calendar, Contact, Drive (30 GB space)
- ▶ Additional Google products are also available!
- ▶ **Office apps, Google groups, Sharing opportunities**



Your Personalized Portal to IEEE

Hello, Gyorgy

Account Alerts

My Account

Help

Log Out



myDesktop

Knowledge

Community

Profession

Volunteer

Online | Who's Online? | myProfile

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Search

Customize

GoogleApps@IEEE

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- › GoogleApps@IEEE Account Settings

IEEE Support Center

One-stop shop for self-service help and support, where you can view FAQ's, submit a question, or conduct a Live Chat with an IEEE service professional.

- › Visit the: IEEE Support Center

My Memberships

IEEE SYSTEMS, MAN, AND CYBERNETICS SOCIETY MEMBERSHIP

myMembership

Conferences

IEEE Xplore

Who's New

Grade Elevations

- › Official Website

IEEE News

Spectrum The Institute IEEE Newsroom

Researchers Create Quantum Dots that Transmit Identical Single Photons



Video Friday: Eight-Legged Robot, CMU's BallBot, and Rodney Brooks on AI



"Tardis" Memory Could Enable Huge Multi-Core Computer Chips



› more headlines...

IEEE Standards News

› more headlines...

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Who's new?

- › Feliciano Rivera, Hector
- › Choi, Jongwon
- › Ganesan, Santhoshkumar
- › Srivastava, Shivam

› more

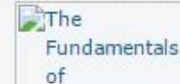
IEEE.tv

New Programs Most Viewed MyTV

Introducing the Kalman Filter



The Fundamentals of Compressive Sensing, Part I: Introduction



The Fundamentals of



- myDesktop
- MemberNet
- Greeting module
- IEEE.tv
- Desktop areas
- myAccount
- My memberships
- Who is online?
- Service advisor feature



Regarding to Volunteering

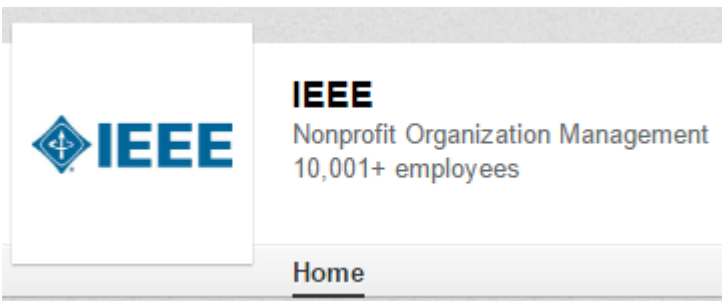
- ▶ Volunteering needs strong commitment and learning – continuously!
- ▶ IEEE fully supports Volunteering activities:
 - Trainings, manuals, webinars, how-to's about volunteering, responsibilities of different officers, etc.



Technical Activities Operations
Beta Site

IEEE Center for Leadership Excellence

Social media presence




Every important information are available on these platforms, as well.



ICT for mentoring programmes

IEEE mentoring



The screenshot displays the IEEE MentorCentre website. At the top left is the 'IEEE MentorCentre' logo, featuring two overlapping speech bubbles. At the top right is the IEEE logo. Below the top navigation bar, there are links for 'IEEE Graduates of the Last Decade', 'IEEE Career Resources', 'MentorCentre', and 'Getting Started Guide'. The main navigation bar includes 'Career Resources' (underlined), 'Become a Mentee', 'Become a Mentor', and a 'Sign In' button. Below the navigation bar, there is a search bar with the text 'Find a Mentor' and a 'Help' link. The main content area starts with the heading 'Welcome to eCareerMentor'. Below this, there are two prominent images: one showing two men shaking hands with the caption 'Find a Mentor', and another showing a hand holding a business card with the caption 'Become a Mentor'.

Society mentoring

Access to IEEE related materials

- ▶ IEEEXplore
- ▶ Online magazines with the latest news for individual IEEE students: Potentials, Spectrum, Standard News, The Institute
- ▶ Far more materials than can be listed
- ▶ Society related materials (magazines, materials, webinars, etc.)

Professional education, life-long learning

IEEE Xplore®
Digital Library

> Institutional Sign In



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SEARCH Q

MY SETTINGS ▾

GET HELP ▾

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Categories

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Professional education, life-long learning

Benefits of IEEE eLearning Library

- Online tutorials enable you to get up to speed quickly on emerging technologies and trends.
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- Learn from the leading experts in the field.
- Increase your overall knowledge beyond your specific discipline to take advantage of technology convergence opportunities in the marketplace.
- Find dynamic interface with audio, animation, engaging graphics, assessment, glossary, and references.
- Tutorial topics span a wide array of technologies including: Aerospace; Bioengineering; Communication, Networking & Broadcasting; Components, Circuits, Devices & Systems; Computing; Engineering Profession; General Topics for Engineers; Photonics & Electro-Optics; Power, Energy & Industry Applications; Robotics & Control Systems; and Signal Processing & Analysis.

Professional education, life-long learning

- ▶ IEEE Xplore Digital Library contains every IEEE related materials – Publications, Books, Courses, Journals, Standards
- ▶ Access with IEEE account
- ▶ Access to the materials: connected to IEEE, Society, Section, etc. membershipment
- ▶ Every Society has its own educational materials connected to the topic and activities of the Society

Publication

- Almost 180 IEEE related Journals on every fields of IEEE, a lot of them has IF
- Every Society has its own conferences (mostly 1-2 flagship, a few smaller or co-organised conferences) -> Conference proceedings
- Potentials magazine (for students)
- Available via IEEE Xplore

Publication

- ▶ has more than 3.5 million documents in the IEEE *Xplore* Digital Library, with more than 8 million downloads each month;
- ▶ has more than 1,671 standards and projects under development;
- ▶ publishes approximately 180 transactions, journals, and magazines;
- ▶ sponsors more than 1,600 conferences in 91 countries while:
 - partnering with more than 1,000 non-IEEE entities globally;
 - attracting more than 480,000 conference attendees;
 - publishing more than 1,400 conference proceedings via IEEE *Xplore*[®].

Competition

- ▶ Student paper competitions (on Conferences)
- ▶ IEEE Xtreme (24-Hour programming competition)
- ▶ Regarding to the conferences of different Societies

Job site



- IEEE offers Job portal for Students and Members
- Disadvantage: focusing to the USA
- Several career building related materials, how-to's (CV builder, webinars, etc.)
- Societies also offers Job opportunities on their tabs

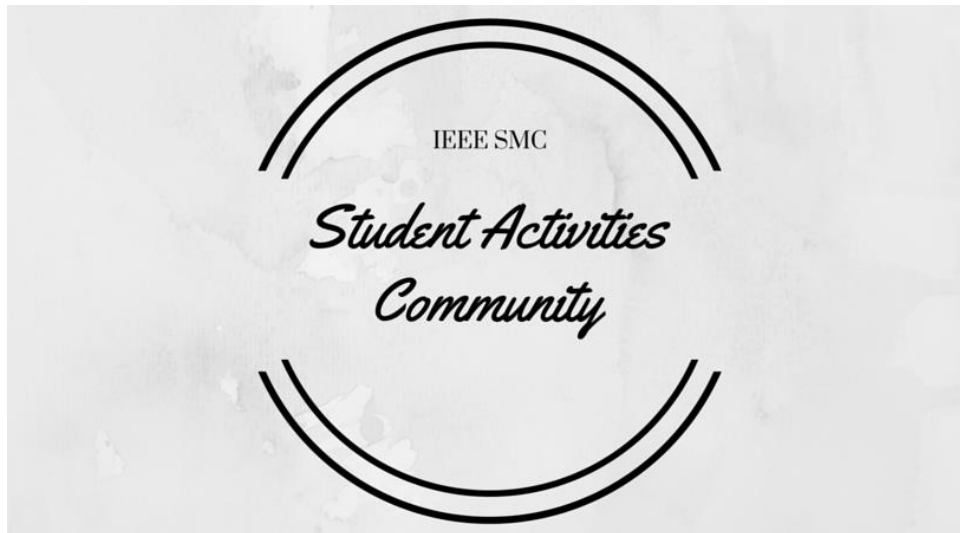
Women in Engineering

Strong collaboration inside IEEE for Women:



Answers to why to be a Student member?

- Learn social and professional skills
- Build strong international network
- Experience being a part of a strong international organization



Student Activities Subcommittee



György
Eigner,
Chair,
Hungary



Xuan
Chen,
Singapore



Raul
Roman,
Romania



Gajo
Petrovic,
Japan



Dana
Copot,
Belgium

Student Activities Subcommittee

www.ieeesmc.org/chapters-communities/student-activities

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Student Activities

CHAPTERS & COMMUNITIES

[Chapters](#)

The purpose of the IEEE SMC Student Chapter is to help SMC student members learn professional skills, build strong international connections, experience being a participant of a strong society and at last but not least: having fun with these activities! By participating in the SMC Society and its sponsored conferences, you can find researchers and professionals with common interests, increase



Student Branch Chapters

- ▶ 17 Student Branch Chapters
- ▶ North-America: 2
- ▶ Europa: 3
- ▶ Asia: 10
- ▶ Australia: 1
- ▶ Africa: 1

New programmes for SMC Students

- Strengthening of the social media presence
- SMC Junior conference
- Other ideas under development

New programmes for SMC Students

The screenshot shows the Facebook profile of the IEEE SMC Student Activities Community. The page header includes the Facebook logo, a search bar with the text "IEEE SMC Student Activities Community", and navigation links for Home, Messages, Notifications, Insights, Publishing Tools, Settings, and Help. Below the header, the page features a large cover photo with the text "IEEE SMC Student Activities Community" and "Non-Profit Organization". To the left of the cover photo is a profile picture showing the IEEE SMC logo. Below the cover photo, there are tabs for Timeline, About, Photos, Likes, and More. The Timeline tab is selected, showing a post from the community. On the right side, there is a "Promote" button and a section titled "THIS WEEK" showing 1 Post Reach and 0 Post Engagement. Below this, there is a "Recent" section showing the year 2015. At the bottom left, there is a notification for reaching a new milestone of 100 Likes, with a "Promote Page" button. The main content area shows a post from the community, titled "IEEE SMC Student Activities Community", published by György Eigner on September 1 at 8:04am. The post content is partially visible, mentioning "The list of the Final Recipients of the SMC Student Travel Grant is".

IEEE SMC Student Activities Community

Page Messages Notifications Insights Publishing Tools Settings Help

IEEE SMC Student Activities Community

Student Activities Community

IEEE SMC Student Activities Community Non-Profit Organization

Create Call to Action Share

Timeline About Photos Likes More

74 likes 0 this week

1 post reach this week

Reach a new milestone 100 Likes Promote Page

Status Photo / Video Offer, Event +

Write something...

IEEE SMC Student Activities Community

Published by György Eigner (?) · September 1 at 8:04am ·

The list of the Final Recipients of the SMC Student Travel Grant is

<https://www.facebook.com/ieeesmcstudentactivities?ref=hl>

SMC Junior conference

- Organized by SMC, Student Activities Subcommittee, Young Professionals Subcommittee, SMC Óbuda University Student Branch Chapter, Young Professionals Hungary Section, IEEE Hungary Section
- Parallely with the SMC2016 flagship conference
- For students (IEEE, SMC, outsiders)
- Competitions: best papers, student competition (under development), etc.
- Independent conference Proceedings
- Maybe: Special Issue from the best papers in SMC related journal

Other ideas under development

- ▶ Sophisticated google groups
- ▶ Mentoring inside SMC
- ▶ Student magazine / eNewsletters
- ▶ Student publication

