



# IEEE-Eta Kappa Nu who, what, why, how?

*The honor society of IEEE*

Nancy Ostin, IEEE-HKN Director



# What is IEEE-Eta Kappa Nu?

- We are the honor society of IEEE
- Founded in 1904 at the University of Illinois at Urbana-Champaign as Eta Kappa Nu; merged with IEEE in 2010 to become IEEE-Eta Kappa Nu
- 240 Chapters at colleges and universities worldwide
- Candidates are invited to join based on their academic ranking, their character and attitude. The goal is to be the catalyst for the development of "The Complete Technical Professional."
- Recognized around the globe as the one honor society that represents the highest values of our profession.



# Why Join IEEE-Eta Kappa Nu?

- Employers around the world recognize the designation of HKN and understand that IEEE-HKN members are of the best candidates and are well-rounded, articulate, and community minded.
- Network with the top students at major universities.
- Access to key university decision makers for references, research, graduate school and beyond.
- By sharing a tradition with nearly 200,000 IEEE-HKN inductees worldwide, this network will help develop your education, career, and professional growth.



# Benefits of IEEE-Eta Kappa Nu

- Be distinguished from other students through a recognition that acknowledges your academic achievements.
- Provides leadership opportunities for your professional development: both on the local level (as a Chapter officer) and the global level (at conferences, on committees).
- THE BRIDGE, the official publication of IEEE-HKN, offers valuable resources to members and invites students to submit papers for publication.
- Be recognized for your achievements through awards in categories such as Outstanding Student, Outstanding Chapter, Outstanding Young Professional; other awards given for service to universities and technical expertise



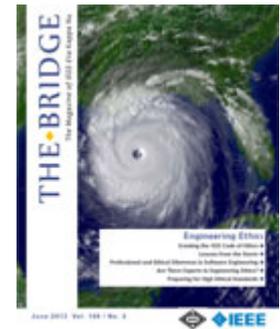
# Student Leadership Conference

- The Annual IEEE-HKN Student Leadership Conference is free for all IEEE-HKN student members. Attendees participate in networking, learn from distinguished speakers, and attend chapter development activities are extremely valuable.



# The BRIDGE

- The signature publication of IEEE-Eta Kappa Nu is THE BRIDGE. Named after the “wheatstone bridge,” the symbolism reflects IEEE-HKN’s goal to assist members to obtain balance in their professional and personal lives.
- All members receive a complimentary subscription. THE BRIDGE is published three times a year.
- The BRIDGE is available on [www.hkn.org](http://www.hkn.org).



# Who Can Join IEEE-Eta Kappa Nu?

- Academic criteria is established for your country and university; typically includes the top students in their 2<sup>nd</sup>, 3<sup>rd</sup>, or 4<sup>th</sup> year of their first academic degree.
- **Character:** An individual must be of exceptional character demonstrating such character to their peers.
- **Attitude:** An individual must have the proper attitude to work hard, continually challenging himself/herself, willing to help others, and to use their talents and superior skills in service to their university, department and peers.



# IEEE-Eta Kappa Nu Induction Categories

Candidates must meet the criteria established and invited to join by their Chapter:

- **Undergraduate students** – those pursuing their first academic degree in their second through fourth year.
- **Graduate Students** – are inducted based on faculty recommendation.
- **Faculty Members** – are encouraged to join to support the work of the Chapter.
- **Professional Members** – those who have done meritorious work in one of the areas of the IEEE-designated technical fields.



# What Does an IEEE-Eta Kappa Nu Student Chapter Do?

- Identifies and invites candidates to join their chapter as IEEE-HKN members
- Organizes scholarly activities such as technical talks, industry visits, distinguished lecturers
- Enjoys a close relationship with faculty and often invites faculty for lunch or special sessions
- Chapters assist their peers through tutoring, exam preparation, peer mentoring, technical competitions, community outreach to pre-University students, and to the community at large



# How Is An IEEE-Eta Kappa Nu Chapter Different From An IEEE Student Branch?

- You must be invited to join
- IEEE-Eta Kappa Nu students are expected to perform community service to their Universities, Departments, peers, and the community. Last year, the 23 Chapter recognized as “Outstanding” a cumulative **50,000 hours** of service for an average of 50 hours per person
- IEEE-Eta Kappa Nu students serve as role models to others, always demonstrating our highest ideals
- IEEE-Eta Kappa Nu students develop programs for others; the focus is on being of service to others, developing skills, and commitment to the profession



# Can We Work with the IEEE Student Branch?

- YES!!!!
- There are several models used for cooperation, The program is flexible to best accommodate what will work for your Chapter:
  - Independent Model – the two operate independently of each other
  - Collaborative Model – the two operate separately but collaborate on projects and activities
  - Integrated Model – operate as a sub-unit of the Student Branch, individuals holds similar officer positions and share the Faculty Advisor/Branch Counselor
  - Other (to be determined by needs)



# Benefit to the University of an IEEE-HKN Student Chapter

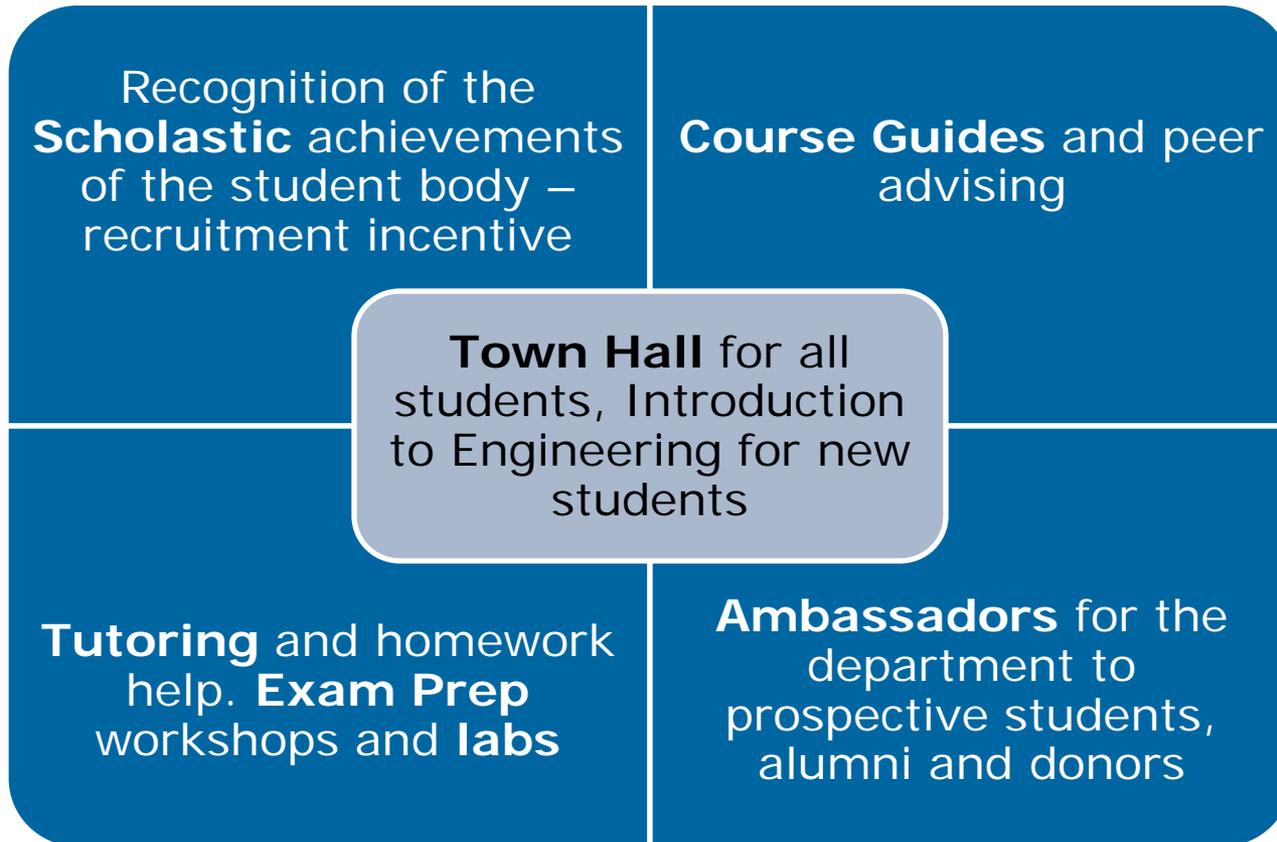
- ▶ Chapters provide service to the student body

Some Examples:

Tutoring	Programs	Outreach	Social
Homework help/tutoring sessions	Tech talks for all students	STEM outreach	Food drives, movie nights, contests
Exam prep, course guides	Industry visits, career programs	Community projects (robotics)	Lunch/dinner with professors
Grad school, research help, lab sessions	Leadership programs, ceremonies	Pre-University engineering projects	Pre-exam party to relieve stress



# Benefit to the Department of an IEEE-HKN Student Chapter



# Communities Helped by IEEE-HKN Chapters

*Habitat for Humanity, Engineering 4 Kids, "Rebuilding Together" low income housing restoration, Staff or Professor Appreciation Day, Food Pantry, Clothing Drives, Inter-Society activities, Engineering Sports Day, Trick or Treat for UNICEF, BrushBots, Science Night, Scholarships, Project Accessibility, Lego Robots, Faraday Flashlights, "laser field" at a community day, Augmented Reality Workshop, Junkyard Derby, Admit Day, Highway Clean-up, Resume and Interview workshop, High School Robotics Clubs, charity volleyball tournament, E-day fundraiser, blood drive, snack night socials, and so much more.*



# Requirements to Form An IEEE-Eta Kappa Nu Chapter

- 1** The educational institution where the Chapter resides must offer undergraduate or graduate degree programs leading to a first professional degree in an IEEE-designated field of interest (typically Bachelor of Science or Bachelor of Engineering, and in some areas Master of Science or Master of Engineering). The designated fields include: Engineering, Computer Sciences and Information Technology, Physical Sciences, Biological and Medical Sciences, Mathematics, and Technical Communications.
- 2** The school's technical programs must be recognized by an accrediting agency.
- 3** The Department Chair, Dean of Engineering, and other appropriate university administrators must support the formation of an IEEE-HKN Chapter on your campus.
- 4** A minimum of eight (8) eligible students must be identified to establish the Chapter and prepare the required submission materials. These students will become the charter members of the new Chapter.
- 5** The Engineering programs combined must graduate a minimum of twenty-four (24) students annually. This requirement will help to guarantee the long-term viability and critical mass of the Chapter.



# Recently formed Chapters in Regions 7–10

- Bharati Vidyapeeth's College of Engineering
- The University of Hong Kong
- Dalhousie University (Halifax, Nova Scotia, Canada)
- National University of Singapore
- Texas A&M University at Qatar
- Tecnológico de Monterrey, Monterrey Mexico



# The Paperwork

More details on the process for forming an IEEE-HKN Chapter is on the IEEE-HKN Website

[http://www.hkn.org/admin/new\\_chapter.asp](http://www.hkn.org/admin/new_chapter.asp)

1. Contact [info@hkn.org](mailto:info@hkn.org) to start the process
2. Letter from a minimum of at least 8 eligible students wishing to establish the chapter and become its charter members
3. Letter of endorsement from the university officials to establish the chapter and support its formation on campus
4. Letter from university officials stating the school met requirements of a recognized regional or professional accrediting agency
5. Proposed operations manual for the new chapter



# Famous IEEE-HKN Inductees



Leah Jamieson



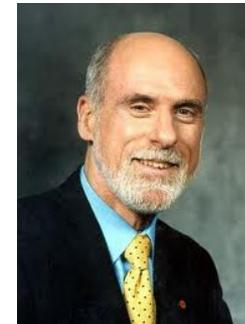
Steve Wozniak



Gordon Moore



Vincent Poor



Vinton Cerf



# Questions?

- ▶ For more information, contact

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For general questions

Email: [info@hkn.org](mailto:info@hkn.org)

Visit: [www.hkn.org](http://www.hkn.org)

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