



A thought on
the **IEEE** and
its **Volunteers**

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Dr. Jung Uck Seo, FIEEE
2003-2004 Region 10 Director

20 Greatest Engineering Achievements of the 20th Century
Most of them are based on
Electro- and Information-Science & Technology

1. Electrification
2. Automobile
3. Airplane
4. Water Supply & Distribution
5. Electronics
6. Radio and Television
7. Agricultural Mechanization
8. Computers
9. Telephone
10. Air Conditioning & Refrigeration
11. Highways
12. Spacecraft
13. Internet
14. Imaging
15. Household Appliances
16. Health Technologies
17. Petroleum & Petrochem. Technologies
18. Laser and Fiber Optics
19. Nuclear Technologies
20. High-perform. Materials



IEEE today and tomorrow

Institute of Electrical and Electronics

Engineers
+
Educators
+
Entrepreneurs
+
Ethicists

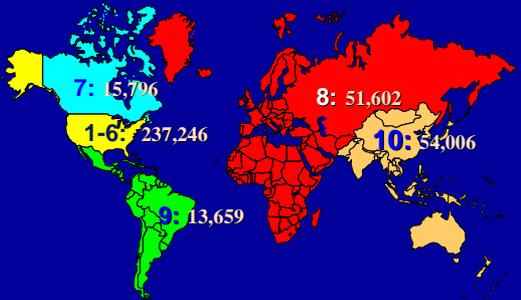


VOLUNTEER

Value
Oriented
Leader *who*
Understands
Nature &
Technology *as*
Ethical &
Ecological
Resources



Worldwide
382K Membership and 50K Volunteers





IEEE REGION 10 ANNUAL GENERAL MEETING 2003
KASA SAYANG RESORT, PENANG, MALAYSIA



TENCON 2003

Nov. 14-16 Bangalore, India



IEEE President in Singapore



IEEE President in Singapore



IEEE President in Singapore



Challenges facing Engineers Today

The world is getting smaller

The economy is global

Engineering is becoming more interdisciplinary

Engineering ethics is watching not only individual practice but also group practice

Engineers have to work at the speed of change

Engineers have to be environmentally conscious

Engineers are treated as a commodity

Engineers have to continue to promote their public image



Global Economy

Jobs are mobile and work can be done from all corners of the globe

The ability to collaborate online is becoming a requirement

IEEE online communities enable *engineers with similar technical*

interests to share ideas and solve problems online together



Challenges facing Volunteers

Availability of time and effort
Support from government, industry and academia
Socio-economic and educational value of volunteerism
Organizational behavior of the IEEE towards volunteers



Challenges facing Region 10

Geographic Dispersion
Language Barrier
Cultural Barrier
Digital Divide



Respect for Volunteers

IEEE functions better when decision-making is done at the lowest possible level
Volunteers are respected as wise and educated people
Volunteers shouldn't need their behavior continually monitored by the IEEE headquarter staffs
Volunteers are given the decision-making authority and responsibility
Volunteers must have access to the staff and other volunteers



Be a Volunteer's Volunteer

Volunteers have always problems to solve. It is the role of a volunteer with skills of technology, system and human to solve problems.

Volunteers have to work for the IEEE organization to provide better support to the Societies, Regions and Sections and drive for efficiencies at the Operations Centers.

For IEEE to be successful in its mission, IEEE has to first provide both opportunity and satisfaction for its volunteers.

Volunteerism must be satisfying, rewarding and prestigious job. Volunteers proud the IEEE Logo (kite and right-hand rule) as part of the master brand harmonizing the effort to bring two of its major boards, RAB and TAB, together so that they may function synergistically.



Volunteer: The Bridge Builder

by Will A. Dromgoole (1860-1934)

An old engineer on a lone highway,
Came at evening time, cold and gray,
To a chasm vast and wide and steep,
With waters rolling swift and deep.

The engineer crossed in the twilight dim.
That sullen stream had no fears for him.
But he turned when safe on the other side,
And built a bridge to span the tide.

"Old man," said a fellow pilgrim near,
"You are wasting your strength with building here."
"Your journey will end with the closing day,
You never again will pass this way.

You've crossed the ravine deep and dark and wide.
Why build this bridge at even-tide?"

The builder lifted his old gray head.
"Good friend, in the path I've come," he said,
"There followeth after me today,
A youth whose feet must pass this way."

"The chasm that was as naught to me,
To that fair-haired youth may a pit fall be;
He, too, must cross in the twilight dim,
Good friend, I'm building this bridge for him."



IEEE Code of Ethics

We, the members of the IEEE, in recognition of the importance of our technologies in affecting the quality of life throughout the world, and in accepting a personal obligation to our profession, its members and the communities we serve, do hereby commit ourselves to the highest ethical and professional conduct and agree to:



IEEE Code of Ethics (1~5)

- to accept responsibility in making engineering decisions consistent with the safety, health and welfare of the public, and to disclose promptly factors that might endanger the public or the environment;
- to avoid real or perceived conflicts of interest whenever possible, and to disclose them to affected parties when they do exist;
- to be honest and realistic in stating claims or estimates based on available data;
- to reject bribery in all its forms;
- to improve the understanding of technology, its appropriate application, and potential consequences;



IEEE Code of Ethics (6~10)

- to maintain and improve our technical competence and to undertake technological tasks for others only if qualified by training or experience, or after full disclosure of pertinent limitations;
- to seek, accept, and offer honest criticism of technical work, to acknowledge and correct errors, and to credit properly the contributions of others;
- to treat fairly all persons regardless of such factors as race, religion, gender, disability, age, or national origin;
- to avoid injuring others, their property, reputation, or employment by false or malicious action; and
- to assist colleagues and co-workers in their professional development and to support them in following this code of ethics.



In recognition of the importance of EE technologies in affecting the quality of life throughout the world, and in accepting a noble obligation to EE profession,

the IEEE Members and Volunteers, we do hereby commit ourselves to the highest ethical and professional conduct, and are determined to seek:

**Wealth with Work; Pleasure with Conscience;
Knowledge with Character;
Commerce with Morality; Science with Humanity;
Engineering with Ethics; Worship with Sacrifice;
Politics with Principle; Technology with Safety;
Information with Reliability; Education with Reality;
and Development with Sustainability.**



Volunteers will be blessed

Many will be shocked to find, When the day of judgment nears,
That there's a special place in Heaven, Set aside for volunteers.
Furnished with big recliners, Satin couches and footstools,
Where there are no committee chairman, Just mint juleps and swimming pools.

There will be nothing to print and staple, Not one thing to fold and mail,
No booth duty or coffee to be served, Not even a bake sale.

Telephone lists will be outlawed, But a finger snap will bring
Cool drinks and gourmet dinners, And rare treats fit for a king.
Volunteers ask, "Who'll serve these privileged few, And work for all they're worth?"

Why, all those who reaped the benefits, And NOT ONCE volunteered on Earth!

Contributed by Bill Sims



The Time to Volunteer is Now...

The best time to join the IEEE is 30 years ago.

The second best time is today!



Contributed by Jung Uck Seo



**IEEE is the Global
Ideas, Knowledge &
Information
Sharing Network**



Thank you all,

Distinguished IEEE Volunteers

from

Japan Council,

Tokyo Section,

Kansai Section, and

Fukuoka Section !

