



**ROCHESTER SECTION
IEEE NEWS FOR MARCH 2014**

Jacob Z. Schanker, P.E., Newsletter Chair
The Rochester section web site is at: <http://rochester.ieee.org/>

Rochester Section Meeting – Tuesday, March 4th at Noon

The next monthly Rochester Section business meeting is on Tuesday, March 4, at 12:00pm, at the **Hibachi Sushi Buffet Restaurant** in South Town Plaza on Jefferson Road (Route 252) just west of West Henrietta Rd. (Route 15). Any IEEE member is invited to attend. Lunch is only \$3 for IEEE members. No reservation or RSVP is needed, just show up.

Get more, get involved: Congressional Visits Day March 25-26

IEEE-USA's annual Congressional Visits Day (CVD) will be held this year on March 25 & 26 in Washington, DC. Any and all IEEE members who are concerned about declining federal investments in basic research, our national labs and our research universities is encouraged to attend.

The CVD offers concerned IEEE members an opportunity to meet directly with your members of Congress and their staff in Washington. This annual event is a crucial part of IEEE-USA's ongoing efforts to protect federal investments in science and engineering.

These efforts are especially crucial in 2014. After three years of tight federal budgets, Congress is looking for additional programs to cut. Basic research and R&D have so far survived the first few rounds of budget cuts with only modest reductions. But that may be about to change. Programs that the public doesn't know much about or that can be cut without doing immediate damage to too many people are prime targets. R&D fits the bill perfectly. While R&D is vitally important to America's long-term economic prosperity, the fact is, should Congress cut the programs, the country won't feel the impact of these cuts for a few years.

And how many Americans know we have national labs, let alone how they contribute to the country?

If IEEE members want Congress to protect the basic research and R&D budgets, we need to speak up and make sure Congress knows how valuable these programs are to us and our country.

There is simply no better way to get a legislator's attention than to have a voter come to Washington and ask for the legislator's support; especially in an election year.

All IEEE members are welcome and encouraged to attend this year's CVD. To join your colleagues from across the country, go here to learn more and to register:

<http://www.ieeeusa.org/policy/cvd/>

If you would like to speak with your members of Congress, but can't come to Washington, there may be opportunities to hold meetings in your local area. Please contact IEEE-USA staffer Russ Harrison to find out, or if you have other questions about this year's CVD. Russ can be reached at r.t.harrison@ieee.org or (202) 530-8326.

Annual Joint Chapters Meeting on April 7

The Rochester IEEE Society will be hosting a joint meeting for all IEEE chapters on April 7, 2013 that is open to the general public. The meeting will focus on the 100th anniversary of the IEEE Rochester Section. The meeting will feature a keynote presentation and two parallel sessions with technical presentations from different chapters and societies. Don't miss this great opportunity to meet and network with people from all engineering disciplines and to learn more about the activities of the different IEEE chapters and societies in the Rochester area. The technical sessions are free to attend and no reservation is required. Reservations *are* required to attend the dinner and keynote presentation.

Date: April 7, 2014

Place: RIT Inn & Conference Center, 5257 W. Henrietta Road

Schedule:	Registration and refreshment:	4:00 – 4:30 PM
	Technical Presentations Session I:	4:30 – 5:30 PM
	Technical Presentations Session II:	5:30 – 6:30 PM
	Student Poster Session	6:30 – 7:15 PM
	Dinner & Keynote Presentation:	7:15 – 9.30 PM

Full details will be on the IEEE Rochester Section website <http://rochester.ieee.org> as they become available.

Joint Meeting with RES – March 2

In keeping with the historical theme of this Rochester section centennial year, here is a meeting notice reprinted only 75 years too late. This is a very historic meeting. The topic, which relates to atomic fission, is out and open in public only five months before World War 2 began in Europe. During the war, this subject area became top secret and part of the Manhattan Project and related activities leading to the atomic bomb.

Also historic is that the speaker, is Dr. Lee DuBridge. Dr. DuBridge was Chair of the Rochester Section of the AIEE (predecessor of the IEEE) from 1936 to 1938. Not very long after this meeting, Dr. DuBridge was chosen by President Roosevelt to organize and lead our country's efforts to develop radar defenses which took place primarily at the Radiation Laboratories (so-named to hide the true purpose) at M.I.T. The story is told in, "The Invention that Changed the World – How a Small Group of Radar Pioneers Won the Second World War and Launched a Technological Revolution" by Robert Buder. ISBN: 978-0684810218.

**JOINT MEETING
A.I.E.E.— R.E.S.**

**March 2, Thursday, 8:15 p.m.
Sagamore Hotel**

**Speaker: — Dr. Lee A. Du Bridge,
Professor of Physics, University
of Rochester.**

**Subject: — “The Disintegration of
Atomic Nuclei.” Illustrated with
slides.**

There is considerable general interest in the field of atom smashing, and the speaker will attempt to discuss the methods which are used, some of the results obtained, and their applications. The machines used for nuclear disintegration are in their design and construction of considerable engineering interest. Whether the results obtained have engineering applications, remains to be seen. Important applications in the field of biology and chemistry, however, are already being developed. The speaker will discuss the general problems in the field as well as the specific work being carried out with the cyclotron at the University of Rochester. A demonstration of radio-active materials produced by the cyclotron will be attempted.

Dr. Du Bridge is Dean of the Faculty and head of the Physics Department at the University of Rochester. For ten years prior to his coming to Rochester he was engaged in research in physics at St. Louis and Pasadena. He has done research in the field of photoelectricity, and he is the author of a number of papers and a book on photoelectric phenomena.

March 2, 1939 meeting

Free E-book for IEEE members

In March, IEEE-USA E-Books will offer “Doing Innovation – Creating Economic Value: Book 3 – Fostering an Innovation Culture.”

This book, by Gerard “Gus” Gaynor, provides the fundamentals for developing a culture that fosters innovation.

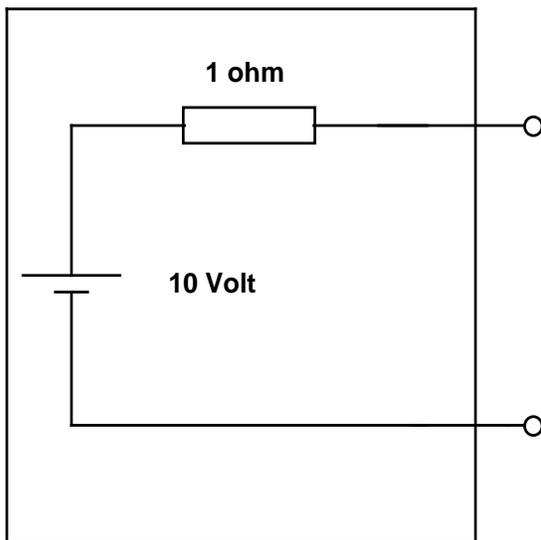
Gaynor says, “the answer in one sense is very simple: find the right people; provide the freedom to act, but with discipline; implement effective and supportive management practices; provide the organizational resources and infrastructure; and promote an organizational attitude that focuses on achieving results.”

This e-book will be available free to members in March.

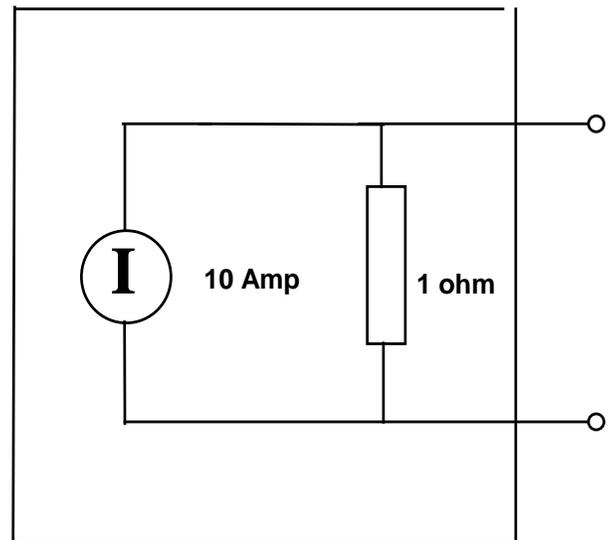
Brain Teaser

This brain teaser appeared in the March 1994 IEEE Rochester Section news. Since then, I've also occasionally used it in circuits or electronics classes, where typically only one or two in the class actually get it.

Shown below are two black boxes. Box A contains the Thevenin equivalent of some linear circuit, and Box B contains the Norton equivalent of the same circuit. Note that a voltmeter connected to either will read 10 volts, and an ammeter connected to either box will read 10 amps - just as you would expect. With access to only the outsides of the boxes and to their terminals, how can you tell which is which?



Box A



Box B

R·I·T

public
policy

Your Employer is Committing Fraud: What Should You Do?



Come hear from software manager, **Jay Palmer**, who faced this very situation. He decided to blow the whistle on his employer's fraud, and his courageous decision resulted in a landmark settlement. In October 2013, software giant Infosys settled the allegations with the U.S. Justice Department for \$34 million, the largest-ever immigration fine levied. Jay Palmer did all of the right things: he notified his company internally about their violations but instead of correcting the situation they retaliated against him. Palmer persevered through a three year ordeal of being harassed, being called a liar by the company, and even receiving death threats.

You don't want to miss this event – you'll learn firsthand what it's like to be an individual going up against a Fortune 1000 firm. We have a stellar panel of faculty who will place Palmer's case in the larger perspective of professional and business ethics.

Monday, March 10, 2014
Where: Golisano Auditorium
When: 3:00-4:15pm
Free and Open to the Public (Classes Welcome)

Faculty Panel

- Dr. Wade Robison, Ezra A. Hale Chair in Applied Ethics, Philosophy Department in the College of Liberal Arts
- Dr. Robert Barbato, Professor of Management & Area Head, Saunders College of Business
- Dr. Larry Vilasmil, Associate Professor of Manufacturing & Mechanical Engineering Technology, College of Applied Science & Technology

*Moderated by Professor Ron Hira,
Chair of Public Policy Department*

Mr. Palmer's case has been widely featured in major media including: [CBS News](#), [Dan Rather Reports](#), [NY Times](#), Bloomberg, [Wall Street Journal](#). Mr. Palmer is cooperating with the IRS and SEC on further investigations.

Jay Palmer has been an IT consultant and software manager for more than 25 years. Most recently he was a principal for Infosys Technologies, one of the top 10 IT services firms in the world. Mr. Palmer holds a BS degree from Auburn University. He now owns J. Bennett Palmer LLC which counsels current and potential whistleblowers and consults on immigration and employment issues.

Interpreters provided upon request subject to availability. Please make your request today by going to the following website

<https://www.myAccess.rit.edu>

For more information contact: Ron Hira, Chair, Public Policy rhira@mail.rit.edu 475-7052