

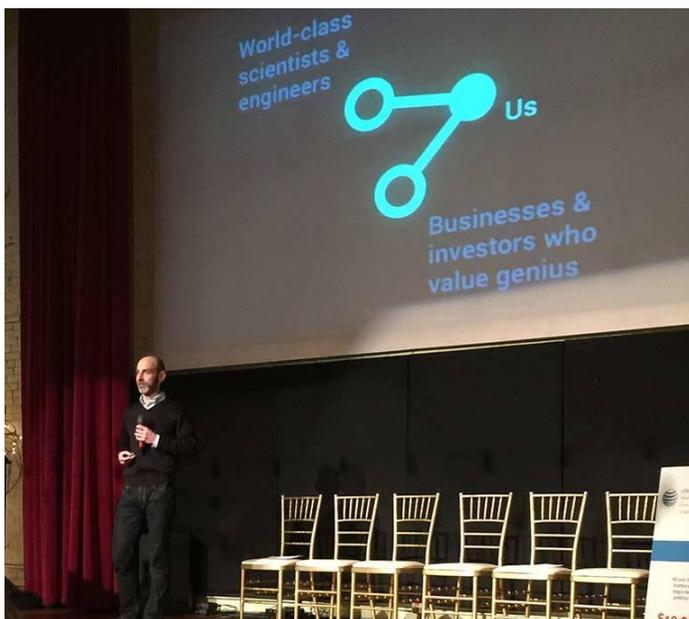
The next Issue of Newsletter will be published in October 2015. Submit articles by October 12.

Let Editor know, if any local engineering company that you would like to be profiled in future Newsletters.

Wise Labs

www.wiselabs.com

By Brad Irvine



Wise Labs president, Jon Glass, presenting at Startup Tech Valley

What if you're a recently retired, top-of-your-field research scientist or engineer who wants to keep solving tough technical challenges or develop amazing new inventions? Or, are you a recent PhD in a technical field looking to offer your state-of-the-art talents as a free lancer or to pursue an invention idea on your own before settling down in a corporate R&D lab or at a research institution? Or, maybe you're somewhere in between and would like to mentor an aspiring young technologist or join an advisory board at an interesting tech start-up. Wise Labs, a firm

launched in Schenectady at the beginning of this year by two former GE executives and a Harvard Business School professor, may be your answer.

Wise Labs' mission — as laid out by Brad Irvine, a Wise Labs co-founder and the former president of GE Licensing, when he presented to the IEEE Schenectady Section recently — is very simple: To connect talented scientists and engineers to businesses and investors who seek deep technical expertise, innovative solutions to tough technical challenges, or amazing new technology ideas. The inspiration for Wise Labs comes from conversations Brad had with scientists at GE Global Research who were approaching retirement but wanted to stay active doing the work that they love. Brad and his two co-founders — Jon Glass, a 16-year GE Equity and GE Licensing executive, and Dennis Encarnation, a former global business strategy professor at Harvard and consultant to leading global corporations like BMW, Boeing and GE — then spoke with businesses and investors in their networks (based on their 80+ years of combined business experience) and identified a big need and desire to tap precisely this kind of expertise. Maybe it's a VC-backed company as it builds a technical advisory board or a mid-sized firm that needs a specific technical solution, quickly or a public company that needs to find disruptive new technology ideas... before disruption finds it! In all cases, Wise Labs serves as the link between brilliant technologists and commercial partners who need (and value) their talents.

To get started, an interested scientist or engineer has to become a Wise Labs member. There are no membership fees or binding commitments, although a member does need to agree to some basic ground rules around IP ownership, confidentiality, etc. in Wise Labs' membership agreement and each membership application is reviewed by the Wise Labs team to make sure the member represents a good fit with Wise Labs and its mission. Wise Labs operates on a "shared economics" business model — for each commercial opportunity, whether it's taking a member's invention idea to market or performing a technical consulting assignment, Wise Labs and the member agree on how the economics will be shared for that specific opportunity. In addition, Wise Labs hosts periodic lunches with outside speakers and

networking events for its members, and helps its members set up mentor relationships at start-ups, big companies, universities and colleges alike.

Wise Labs encourages any Schenectady Section member interested in getting involved to visit its website at wiselabs.com to learn more and to initiate the membership sign-up process. Or if your company could benefit as a Wise Labs client or, like GE Global Research, as a source of future Wise Labs members, please reach out to Brad Irvine directly at brad@wiselabs.com. Either way, the Wise Labs team looks forward to working on some great projects with IEEE members!

Edison Tech Center Outreach Project ***Looking for Experts in Power System Measurement Tools***

The Edison Tech Center has received the funding from IEEE to start Outreach Project "Multimedia Web-based Module on Metering and Measurement Tools in Circuits for High School and College Educators and Students".

The Project goals are: Classify and identify the major types of meters and measuring devices used by electrical engineers and Demonstrate the importance of these measuring tools in circuits, and their role in driving technological innovations.

To that end a video segment that introduces the fundamental measurement systems used in the electrical industry will be produced. Due to funding constraints, the focus will be limited to on measuring Current and Voltage.

Edison Tech Center is looking for people who can talk about the importance of measurement tools in the power industry. If interested, please contact [Bill Kornrumpf \[wkornrum@nycap.rr.com or \(518\) 209 3244\]](mailto:Bill.Kornrumpf@nycap.rr.com).

2015 Elected Officers

Is your local society staffed? If not, we need you.

A Society with no Events/Talks/Meetings for 3 years will be dissolved by IEEE.

Call for Volunteers! The Schenectady Section needs your help! By volunteering you will meet great people and help plan professional, educational or social events in the area. These events are reimbursed and bring our IEEE dues back to the local area. Please contact Rebecaa Nold or James Barrett.

<p style="text-align: center;">Executive Committee</p> <p>Chair James Barrett, jbarrett@nyiso.com</p> <p>Vice Chair, Membership Pat Irwin, patriciairwim@gmail.com</p> <p>Vice Chair, Treasurer Rebecca Nold, r.nold@ieee.org</p> <p>Vice Chair, Secretary Anh Nguyen, ANguyen@sunycnse.com</p>	<p style="text-align: center;">Electron Device Society</p> <p>Chair Stanley Kocsis, kocsis@ieee.org</p> <p>Vice Chair Anuj Bhatia, anuj.bhatia@ieee.org</p> <p>Vice Chair Vinit Todi, Vinit.Todi@globalfoundries.com</p> <p>Vice Chair Ahmed Elasser, ahmed.elasser@ge.com</p>
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<p style="text-align: center;">Computer Society</p> <p>Chair open: Plan technical speaker(s)</p> <p>Vice Chair Howard Halstead halstead@ieee.org</p>	<p style="text-align: center;">Industry Applications Society</p> <p>Chair Abouzar Ghavami, abouzar_ghavami@yahoo.com</p> <p>Vice Chair Kumar Modepalli, modepk@rpi.edu</p> <p>Vice Chair Javad Heydari, khormizi@gmail.com</p>
<p style="text-align: center;">Dielectrics and Electrical Insulation Society</p> <p>Chair Karim Younsi, karim.younsi@ge.com</p> <p>Vice Chair Qin Chen, chenq@ge.com</p> <p>Vice Chair Dr. Nancy Frost, drnancyfrost@gmail.com</p>	<p style="text-align: center;">Power and Energy Society</p> <p>Chair Vince Forte, vforte@nycap.rr.com</p> <p>Vice Chair Sowmya Nellutla, sowmya.nellutla@cgglobal.com</p> <p>Vice Chair Amal Mallavarapu, Amal.Mallavarapu@cgglobal.com</p>
<p style="text-align: center;">Education Society</p> <p>Chair Jonathan Ashdown, jonashdown@ieee.org</p>	<p>Committee Member Prabhakar Neti, netipr@ge.com</p>
<p style="text-align: center;">Signal Processing Society</p> <p>Chair Michael Lexa, lexa@ge.com</p>	<p>Committee Member Navaneeth Varadarajan, Navaneeth.Varadarajan@cgglobal.com</p>

2015 Appointed Officers

Awards Chair	Karim Younsi, karim.younsi@ge.com
Membership Meeting Coordinator	Lou Tomaino, l.tomaino@ieee.org
Newsletter Editor	Krishnat Patil, krishnat.patil@siemens.com
Nominating Committee Chair	Open: Short time commitment - coordinate volunteers
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PDH Coordinator	John Golde, John.Golde@goldeengineering.com
Section Historian	Neal Taylor, ntaylor@ieee.org
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Steinmetz Committee Chair	Vince Forte, vforte@nycap.rr.com
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Women in Engineering Affinity Group	Anna Topol, atopol@us.ibm.com
Young Professionals Program	Masoud Abbaszadeh, abbaszadeh@ge.com

IEEE PES - Schenectady Chapter

(2015 Engineering Colloquium)

This one day conference will provide 7 presentations with continuing education credits (PDHs).

Dr. Kannan Tinnium	GE Global Research	Technology Challenges and Opportunities in Smart Grids
Dr. Chuck Seifert	Siena College	Ethics
Dr. Bob Currie	Smarter Grid Solutions	Market Animation: The System-Level Data and Technology Requirements of REV
Michael Razanousky	NYSERDA	Micro-grid pilots in New York State
Matt Wallace	NY PSC	REV proceedings impacts on technology
Joshua Burroughs	Vermont Electric Power	New HVDC substation
Herman Wiegman	GE Global Research	Energy Storage Metrics, Applications and Recent Developments

To reserve your seat

Register on-line at

<http://sites.ieee.org/schenectady/power-energy-society/>

Problems contact:

Vincent.J.Forte@ieee.org

All payments must be received via online registration by September 13, 2015 to maintain a seat. No payments accepted at the door.

For latest details, please visit:

<http://sites.ieee.org/schenectady/power-energy-society/>

Date: Friday, September 25, 2015

Time: 8:00 AM to 5:00 PM

Location: College Park Hall at Union College
450 Nott Street
Schenectady, NY 12308

Cost: \$75 for IEEE members
\$150 for non-members
(Includes lunch & 7 PDH credits)

Pay by credit card using the online registration process:

<http://sites.ieee.org/schenectady/power-energy-society/>

Online registration closes September 13, 2015.

