



# Membership Stats\* (January 2014)

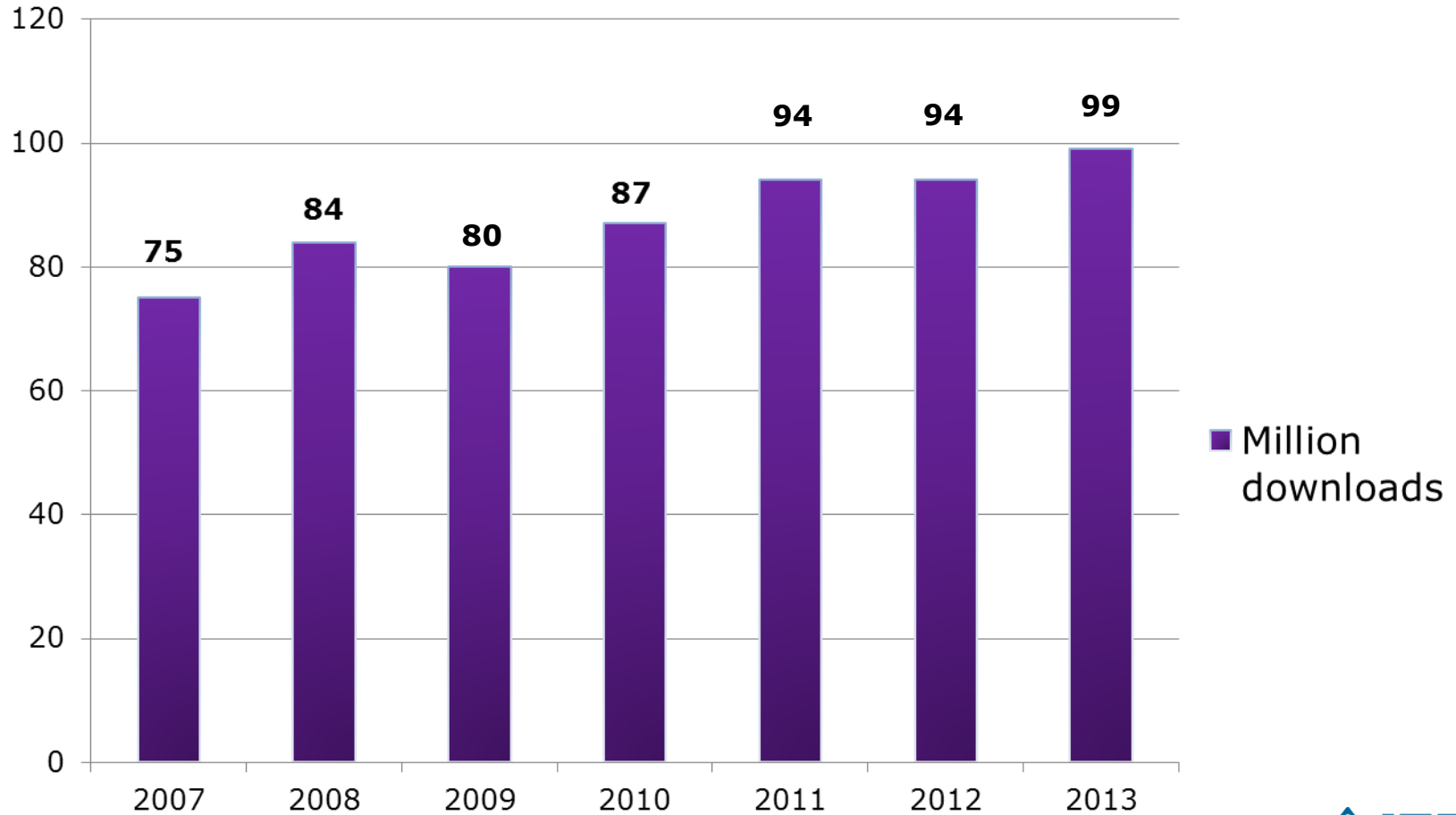
- ▶ **IEEE Total Membership: 438,705**
  - Increased +0.1%: +459 members
  - Higher Grade Membership (without GSM)
    - Decreased -0.8%: -2,457 members
  - Undergraduate
    - Increased +2.4%: +1,846 members
  - Graduate Students
    - Increased +2.3%: +1,070 members
- ▶ **Total Society Membership: 334,857**
  - Increased +0.4%: +1,468 members
  - 17 societies increased by more than 1%
  - 14 societies decreased by more than 1%
  - 7 societies saw increases or decreases of +/- 1%

# 2014 focus for IP business

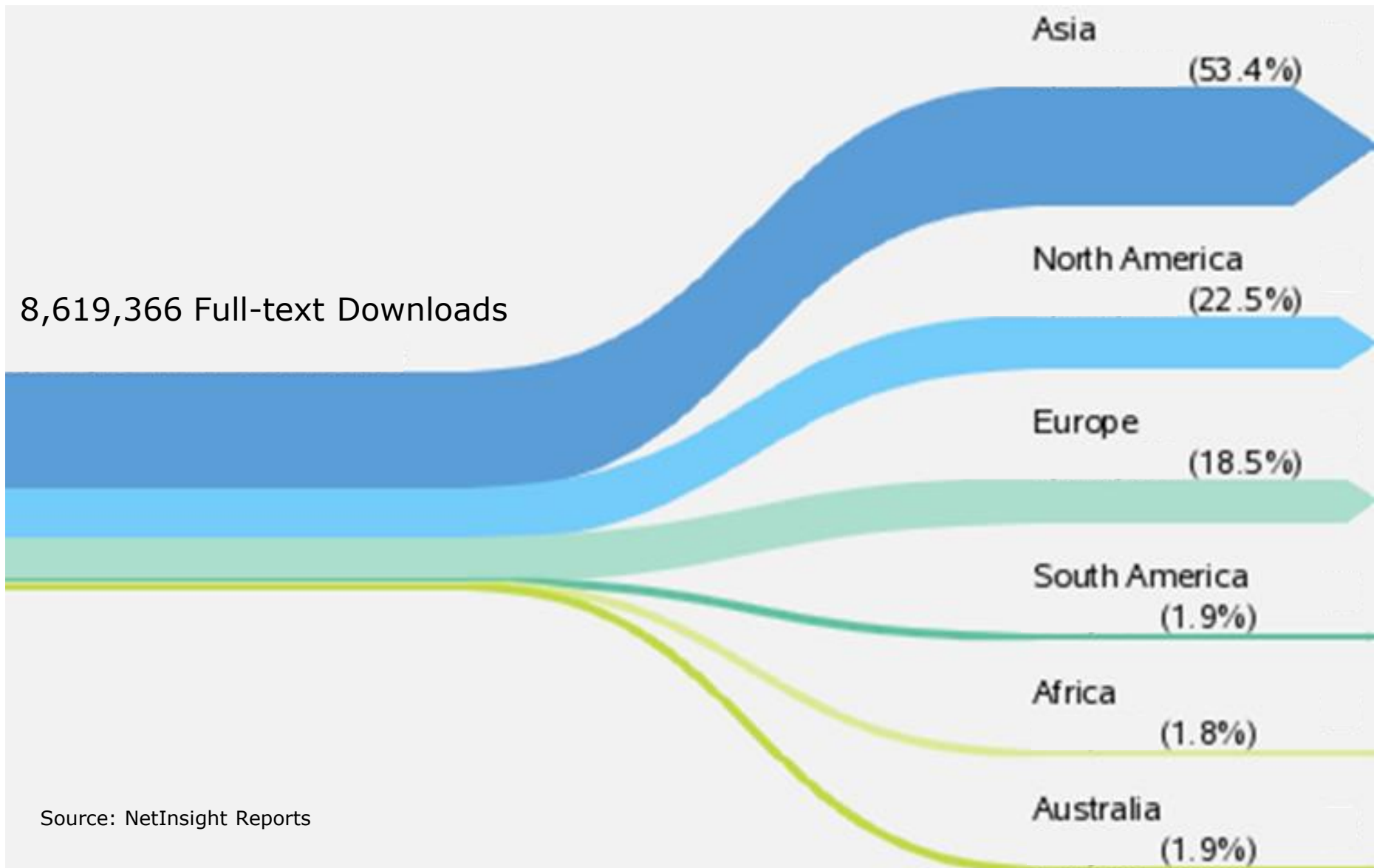
- ▶ Launch new products
- ▶ With US academic market mature, focus on
  - Germany and US corporate markets
  - China academic & corporate
  - India academic & corporate
  - Power & energy sector

# IEEE Xplore Usage

## Xplore downloads



# Jan. 2014 Xplore Usage by Geography



# Average Unique Monthly Xplore Visitors\*



**3.6 million**

\*Visitor = someone who has downloaded 1+ articles from Xplore that month

# IEEE Publications Dept. In NJ

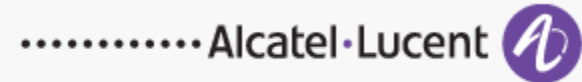
## Advances “One IEEE”

- In 2013 both IEEE Computer and IEEE Communications Societies agreed to collaborate with the Publications Dept. in Piscataway
- 123 or 95% of IEEE's 128 Journals & Transactions now done in one department
- Provides consistent user experience with extensive suite of tools for authors and journal editors
- Provides economies of scale that lower per unit costs to all societies using NJ
- Dept. also attracting outside clients
  - IBM Journal of R&D and Bell Labs Journal also done in NJ





# New Partners For IEEE Xplore



- ▶ Signed an MOU with Alcatel Lucent in anticipation of IEEE producing, hosting and selling the Bell Labs Technical Journal and predecessor titles beginning in May 2014
- ▶ Journal will be included in IEL and ASPP subscription packages

Bell Labs Technical Journal Honored at APEX Awards for Publishing Excellence

Editor-in-Chief Jane M DeHaven and *Bell Labs Technical Journal* were honored for achievement in technical writing in the custom-published category in this year's APEX Awards for Publishing Excellence.



# Standards Association (IEEE-SA) Forges Partnerships in Israel

- ▶ IEEE-SA partnered with the Standards Institution of Israel (SII) and the Israel Export & International Cooperation Institute on a Seminar on Healthcare IT and eHealth Opportunities in Tel Aviv on 3 February
  - Attracted approx. 40 attendees
  - SII also facilitated outreach efforts with the Ministries of Energy and Health to identify opportunities



המכון הישראלי לייצוא ולשיתוף פעולה בין-לאומי  
*The Israel Export & International Cooperation Institute*

# Workshop on Technical Standards, Consensus Building

- ▶ Held at the University of Strathclyde, Glasgow, Scotland, on 6 March
  - Third time this interactive consensus-building workshop was conducted by volunteers from the IEEE Standards Education Committee and professional staff
  - All-day workshop to promote Standards Education in the engineering curricula and to teach students, professors and working engineers about standards and standards development
  - Topics included the importance of standards to industry, fundamentals of standards development, and case studies on Ethernet Standards

# New Style Event: Google+ Hangout on Air (HoA)

- ▶ IEEE Standards Association, collaborating with IEEE Global Meetings, Conferences & Events and IEEE Corporate Communications, hosted a Google+ Hangout on Air (HoA) as part of *Restoring Trust in the Digital Age* campaign
  - HoA was held on 28 January to coincide with International Data Protection Day
  - Topic was “Privacy for the People”; discussion focused on exploring bottom-up collaboration in harnessing global creativity and expertise for privacy innovation and technology solutions and to help advance cybersecurity

# Region 8: Middle East and Africa

## Efforts Ongoing

- ▶ MOC signed with Kenyatta University (Kenya) to receive low-cost exhibits developed by IEEE volunteers
- ▶ Working with volunteers to plan two Teacher In-Service Program Training Workshops in Dubai and Kenya in 2014
- ▶ Participation in e-Learning Africa in Uganda (scheduled for May 2014)
- ▶ Partnership proposals with GESCI and iHub (Kenya) pending



# Interactive Content Project Approaches 1 Million Articles

- ▶ 970,000 articles converted to HTML as of 16 February
  - Total project goal is 2.3 million articles
  - All journals and transactions to be done by 31 March 2014
  - Interactive Magazines now being loaded
  - Standards to be added in second half of 2014
- ▶ Quality remains high – only 0.0075% defects
  - 70 articles with errors out of 928,838 articles as of 5 February
- ▶ CrossCheck plagiarism detection expands
  - 93% of Periodicals use CrossCheck (up from 50% in 2012)
  - 29% of Conferences use CrossCheck (up from <10% in 2012)
  - 211,655 articles checked in 2013 up 57% from 135,145 in 2012

# Our OA Experiences Almost 1 Year After Launch of IEEE Open

- ▶ Quality of IEEE accepted articles is being maintained
  - 39.7% of articles reviewed for the 5 fully OA journals are accepted
- ▶ Article submissions are increasing
  - Increased 23.1% from last report to Board (based on month-end Oct 2013 vs. month-end Dec 2013)
  - 223 new submissions in two-month period
- ▶ Collection of Article Processing Charges (APCs) is close to expectations at 93.4%
  - Our bad debt is lower than our experience with Overlength Paper Charges, Voluntary Page Charges, and Reprints, which has a collection success rate of 85% to 90%
  - Waivers are used for invited papers



# IEEE Now Considering Future Options for Open Access

- ▶ Study shows despite slow uptake in journals there are sparks of support for OA among conferences and standards
  - Report was commissioned by the TAB/PSPB Products and Services Committee
- ▶ TAB and PSPB planning Summit meeting for this month
  - Would convene the PSPB Strategic Planning Committee, TAB Ad Hoc Committee on OA, representatives from Standards and Conferences, plus senior members of professional team
  - Summit participants will recommend strategic directions

# ICX Phase 1 Stabilization Completed

- ▶ Phase 1 Stabilization for ICX completed
  - Necessary to officially retire the Informix database
  - Completes three-year effort to retire the database
- ▶ Provides the backbone of services needed to enable IEEE's conference business to be more nimble and dynamic









# PPCT Project Objective

Target professional needs of authors, researchers, and current/potential IEEE members by developing tools to:

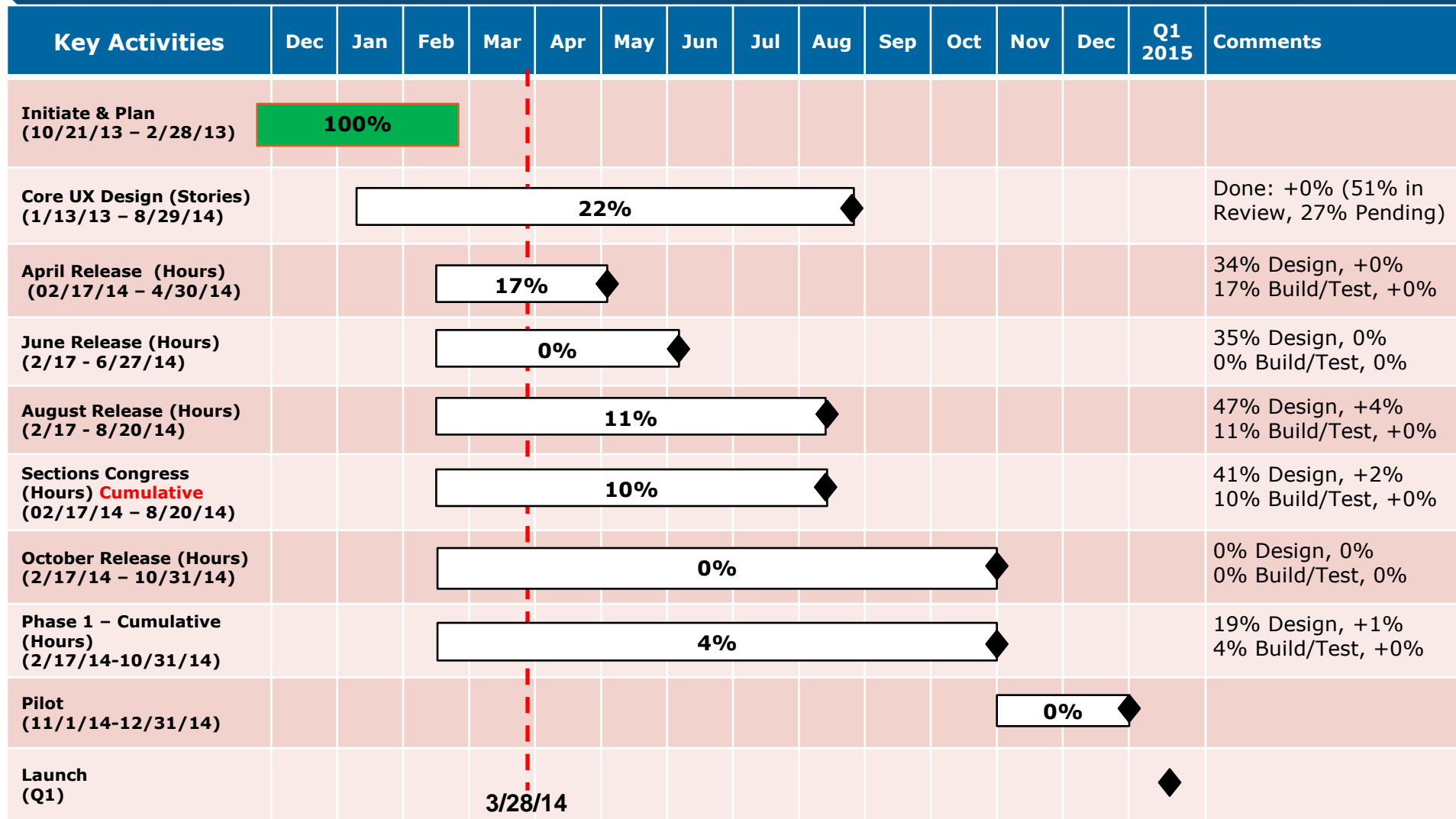
- remotely collaborate in a seamless way
- access and manage the information they need in their profession in a very efficient way
- strengthen connections with the global community of technology professionals
- accelerate research and publication with improved tools
- facilitate professional development and networking

# Motivation: Competitive Landscape

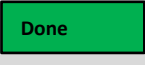
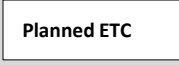
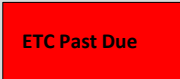




■ **We need to rapidly catch-up with other organizations**

Organization	Action
 	Elsevier acquired Mendeley (April 2013) to become its <b>“research management and collaboration networking platform”</b>
 	ACS launched a <b>“research collaboration system”</b> called ACS Chemworx (March 2013) Based on colwiz Ltd. Software
	ASME launched a service (May 2013) <b>“to provide knowledge-sharing and collaborating with other engineering professionals ”</b>
 	IET launched its communities (July 2012) so people can <b>“share ideas and expertise, collaborate, and keep up with news”</b>
	ResearchGate received \$35 million in venture backing (2013) to <b>“help researchers build reputation and accelerate scientific progress.”</b>

# PPCT Project Status is Green

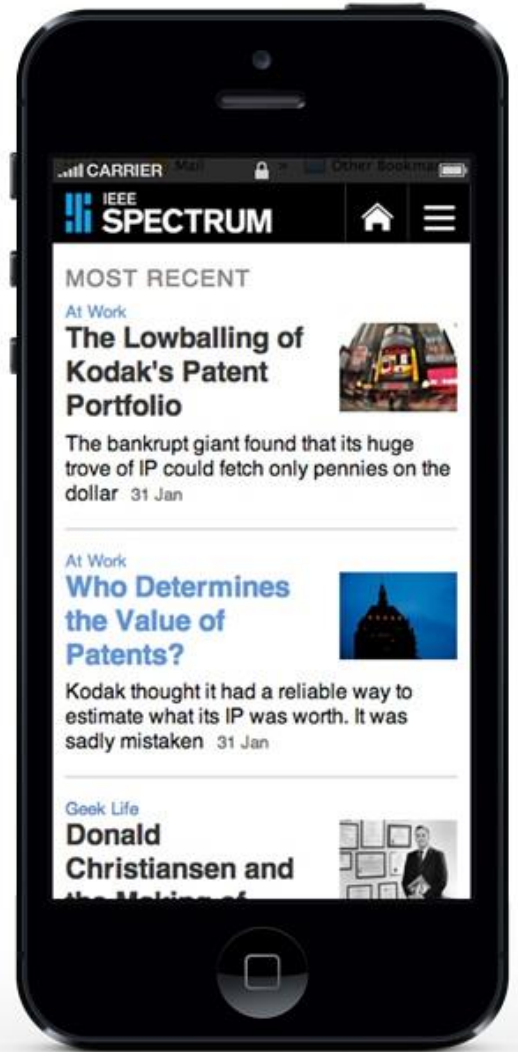


3/28/14

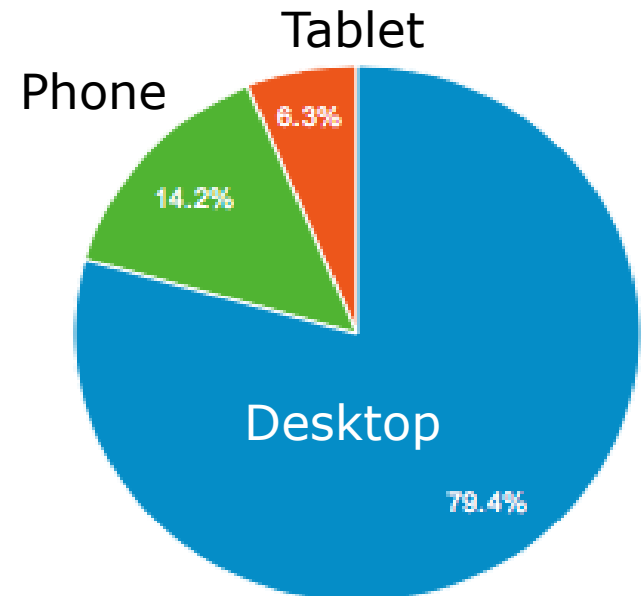
 Done	Work product or Deliverable Complete and Approved	 Planned ETC	Planned Est. to Complete	 ETC Past Due	Est. to Complete past due Impacting schedule, staffing, or budget	 Milestone in plan
 Early Start	Effort prior to task start date	 ETC Past Due	Est. to Complete past due with no impact			 % Effort Completed



# IEEE Spectrum Reaches An Increasingly Online, Mobile Audience



- ▶ New smartphone edition of Spectrum web site introduced Jan. 2014
  - <http://spectrum.ieee.org>
- ▶ Works on any smartphone web browser
  - Benefit of HTML5 conversion done May 2013
- ▶ Growing share of visits to Spectrum Online are mobile







# Students and Young Professional New Web Pages Launched

- More engaging
- Social Media Integration
- Improved focus and relevance for audience
- Much easier navigation

The image displays two overlapping screenshots of the IEEE website. The background screenshot shows the 'IEEE Young Professionals Program' page, which features a group photo of young professionals, a search bar, and navigation tabs. The foreground screenshot shows the 'IEEE Student Activities' page, which includes a banner with a diverse group of students, a search bar, and various sections such as 'Student resources and activities', 'Benefit highlights', 'IEEE students Facebook', 'Awards and opportunities', and 'News and resources'. The website design is modern and user-friendly, with clear navigation and a focus on student and young professional engagement.

# IEEE ResumeLab

[ieee.org/resumelab](http://ieee.org/resumelab)

Launched  
31 January

- ▶ New member benefit
- ▶ Create resumes and cover letters using customized templates
  - Built-in training & tool tips
- ▶ Build video resumes, work portfolios
- ▶ Take mock interviews with 900+ practice interview questions
- ▶ All publishable to sharable website
- ▶ Passed 1,500 users six weeks after being released.



## IEEE ResumeLab

 **RESUMES**

 [Create New Resume](#)

Manage Your Resumes

 **LETTERS**

 [Create New Letter](#)

Manage Your Letters

 **ASSESSMENTS**

 [Create New Assessment](#)

Manage Your Assessments

 **INTERVIEWS**

 [Create New Interview](#)

Manage Your Interviews

 **PORTFOLIOS**

 [Create New Portfolio](#)

Manage Your Portfolios

 **VIDEO RESUMES**

 [Create Video Resume](#)

Manage Your Video Resumes

# IEEE Fellows Program Celebrates 50th Anniversary

- ▶ 293 Fellows newly elevated
- ▶ All active Fellows received a Fellow medallion in honor of the 50th anniversary
- ▶ Fellow Directory Launched



# Technical Communities

**Technical Communities increasingly provide added value to membership.**

As of 11 December 2013, there were:

- ▶ 20,253 participants in the seven Technical Councils
- ▶ 23,370 participants in the eleven Technical Communities

- **77% held both an IEEE and Society membership.**
- **5,400 IEEE members without a Society connection formed technical ties through technical-based communities.**

# Selected Region 8 Meetings

- ▶ The Cloud Computing Initiative (CCI) European Cloud Congress will be held at [IEEE COMPSAC 2014](#) in Västerås, Sweden, 21–25 July
  - CCI will also have a presence at [IEEE CloudNet 2014](#) in Luxembourg in 8-10 October and at [IEEE NOMS](#) in Krakow, Poland 5-9 May



# Selected Region 8 Meetings

## IEEE Software Defined Networks



Join the SDN  
Technical  
Community

Search IEEE Software Defined Networks



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Home About What's New Conferences & Events Articles & Publications Standards

*IEEE Software Defined Networks for  
Future Networks and Services (SDN4FNS)  
11-13 November 2013  
EIT ICT Labs, Trento, Italy*

### What's New



IEEE Software Defined Networks for  
Future Networks and Services  
(SDN4FNS)

11-13 November 2013  
EIT ICT Labs, Trento, Italy

<http://sites.ieee.org/sdn4fns/>

### Feature Article



Software-Defined Networks  
Explained

By Kathy Pretz

Software-defined networks are being touted as a disruptive technology that could revolutionize computer networks through software, not hardware. But little is known about the architecture that will put the capabilities of running such systems into the hands of

### Technology Spotlight



Software-Defined Networking: On  
the Verge of a Breakthrough?

By Lee Garber

As developments such as cloud computing, virtualization, and massive datacenters make networking more complex, network managers are looking for smarter systems and new and better ways to control and manage them. Enter software-defined networks

### Useful Links

- 1st IEEE / IFIP International Workshop on SDN Management and Orchestration - Call for Papers Now Available
- SDN to be a \$3.52 billion market by 2018; Cyan's Blue Orbit for carrier based SDN and NFV applications (ComSoc Communities)
- ONUG Announces Open SDN and Network Virtualization Test (IEEE Computer Society)
- SDN work gains momentum in ITU-T SG 11 and 13; Workshop to Progress SDN standardization (ComSoc Communities)

- Software Defined Networks Web Portal launched in January – <http://sdn.ieee.org>

- Software Defined Networks Initiative is organizing a workshop to be co-located at IEEE-NOMS in Poland on 5-9 May: [1ST IEEE/IFIP International Workshop on SDN Management and Orchestration](#)

# Selected Upcoming Publications

## The **IEEE Life Sciences Letters**, an Open Access e-journal, approved

- ▶ Planned launch for Q4 2014
- ▶ Key scientific themes include personalized medicine, pharmaceutical engineering, synthetic biology, and systems biology



# Selected Upcoming Publications

## IEEE EMBS re-launches award-winning publication, *IEEE PULSE*

- ▶ New website hosts all the Magazine's articles, including lineup of entirely new content: videos, blogs, reader comments on articles, and more.

[pulse.embs.org](http://pulse.embs.org)

The screenshot shows the IEEE PULSE website interface. At the top, there is a navigation bar with links for CURRENT ISSUE, IDEAS, BLOGS, NEWS, and EVENTS. Below this is a search bar labeled "Search IEEE Pulse" and a search icon. To the right of the search bar are links for RSS, Social media (Facebook, Twitter, LinkedIn), and a Share button. Further right are buttons for "Subscribe" and "Login".

The main content area is titled "Current Issue". On the left, there is a "COVER STORY" section featuring an illustration of a human head profile filled with colorful gears and circuitry. Below this illustration is the article title "What the Future Holds" by Cynthia Weber and Shannon Fischer, dated December 2, 2013, with 3 comments. The article text begins: "When it comes to biomedical engineering (BME) today, innovation might just be the most important buzzword around. That's not because it happens to be the trend of the day across industries already; it's because in the face of skyrocketing healthcare costs, a rapidly aging global population, and multiplying cases of chronic diseases such as diabetes, cardiovascular disease, and cancer, we have no other choice. If our goal is ultimately to create a healthier, more vibrant global society, we must innovate—and radically. ... [Read more](#)".

On the right side of the page, there is a "FEATURED" section with a graphic of a 3D map of the United Kingdom and the text "Industry LeadershipPartnership New Innovation Improvements ResearchPromotion Practice". Below this is the article title "Waking Up to Innovation" by Nadya Anscombe, dated December 3, 2013, with 0 comments. The article text begins: "John Day is a physicist at the University of Bristol in the UK. He has an innovation that he believes will not only improve patient care but will also save the National Health Service (NHS) time and money. Day and h... [Read more](#)". Below the article text is a portrait of a woman, likely Nadya Anscombe, and the article title "Barriers to Health Care Innovation".



# New Offices in India

- ▶ India office transitioning into expanded office space in Bangalore World Trade Center
- ▶ Expected date of move: late February 2014
  - New space will be ~10,000 square feet with potential to accommodate up to 60 staff
  - Space has three conference rooms, a datacenter, and a library



# Changes at 3 Park (NYC Office)

- ▶ Complete renovation of 22,000 square feet of office space for IEEE presence in New York City
  - Grand Opening Feb. 24
- ▶ NYC Office will continue to house Legal & Compliance, Communications Society, and Spectrum Magazine
  - 72 employees
- ▶ Features include:
  - Large adjoining conference rooms suitable for 36 guests
  - Two smaller conference rooms
  - President's Office



# IEEE History Center and Stevens

- ▶ Since 1990, the IEEE History Center partnered with and was located at Rutgers, the State University of New Jersey
- ▶ Owing to recognition of internal and market changes over time, strategic decision in 2012 to reassess educational partnership
- ▶ In early February, an agreement between the IEEE History Center and Stevens Institute of Technology was reached



# Stevens Institute and IEEE

## ▶ **Stevens Institute of Technology in Hoboken, NJ, USA, will begin hosting the IEEE History Center in June 2014**

– Stevens Mission aligns to that of IEEE

*"To inspire, nurture and educate leaders in tomorrow's technology-centric environment while contributing to the solution of the most challenging problems of our time."*

Long tradition of involvement between Stevens and IEEE

- President Nariman Farvardin is an IEEE Fellow
- Victor Lawrence, Associate Engineering Dean and IEEE Foundation Director



