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IEEE

李箐

2015



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- **IEEE IEL数据库高效科研检索技巧与资源更新**
- **IEEE国际期刊与会议投稿流程和注意事项**
- **IEEE学术交流及择业辅助工具**
- **IEEE各级会员申请及会议合办组织流程**

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Your research problem must contribute new and important knowledge to your field

- Conduct a Literature Review
- Take Notes & Keep Track
- Gather References & Citations
- Draft an Outline



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Steimel, Andreas (24)
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Publication Year: 2011 , Page(s): 1013 - 1016
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Pinto, J.G. ; Monteiro, V. ; Goncalves, H. ; Exposto, B. ; Pedrosa, D. ; Couto, C. ; Afonso, J.L.
Industrial Electronics Society, IECON 2013 - 39th Annual Conference of the IEEE
DOI: 10.1109/IECON.2013.6700108
Publication Year: 2013 , Page(s): 5934 - 5939
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Computer Distributed Control and Intelligent Environmental Monitoring (CDCIEM), 2011 International Conference on
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- The vector field histogram-fast obstacle avoidance for mobile robots**
Borenstein, J. ; Koren, Y.
Robotics and Automation, IEEE Transactions on
Volume: 7 , Issue: 3
DOI: 10.1109/70.88137
Publication Year: 1991 , Page(s): 278 - 288
Cited by: **Papers (413) | Patents (6)**
IEEE JOURNALS & MAGAZINES
Quick Abstract | PDF (1088 KB)
- The Impact of Charging Plug-In Hybrid Electric Vehicles on a Residential Distribution Grid**
Clement-Nyns, K. ; Haesen, E. ; Driesen, J.
Power Systems, IEEE Transactions on
Volume: 25 , Issue: 1
DOI: 10.1109/TPWRS.2009.2036481
Publication Year: 2010 , Page(s): 371 - 380
Cited by: Papers (348)

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- Conduct a Literature Review
- **Take Notes & Keep Track**
- Gather References & Citations
- Draft an Outline



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Security threats in cloud computing



Shaikh, F.B. ; Haider, S.

Internet Technology and Secured Transactions (ICITST), 2011

International Conference for

Publication Year: 2011 , Page(s): 214 - 219

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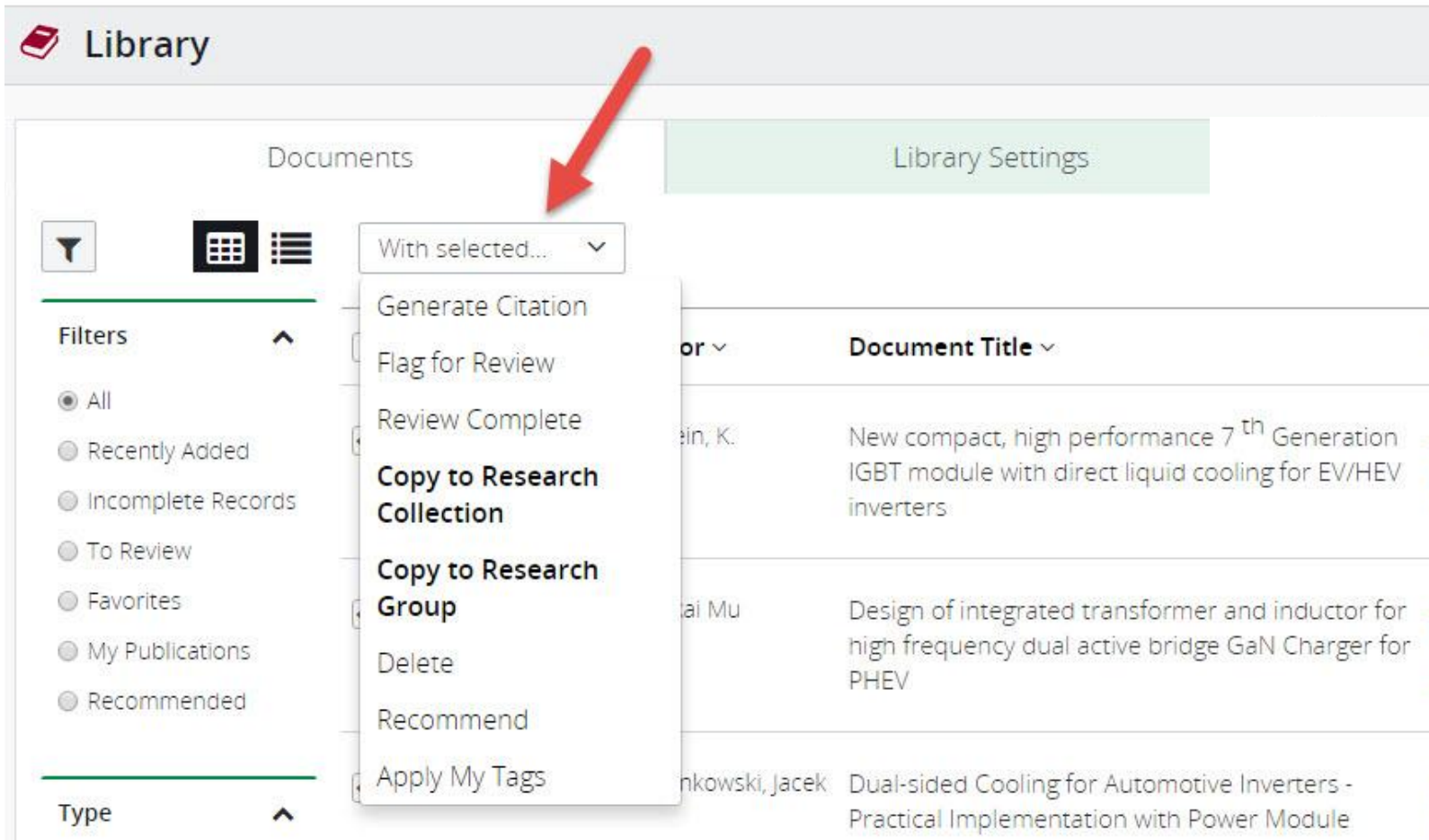
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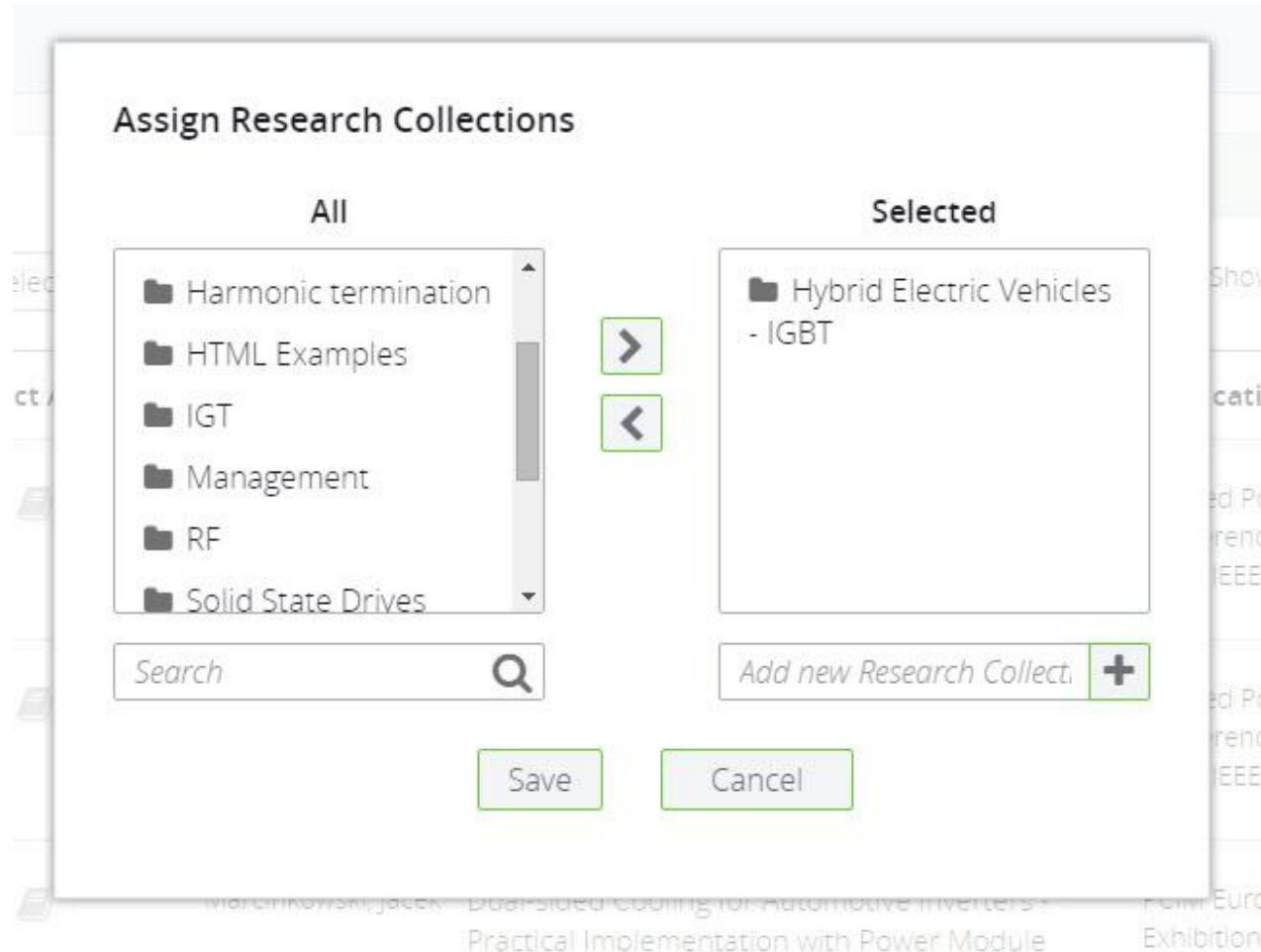
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Author	Document Title
...in, K.	New compact, high performance 7 th Generation IGBT module with direct liquid cooling for EV/HEV inverters
...ai Mu	Design of integrated transformer and inductor for high frequency dual active bridge GaN Charger for PHEV
...nkowski, Jacek	Dual-sided Cooling for Automotive Inverters - Practical Implementation with Power Module

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inductive power transfer system

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Prepare

First Steps

- Conduct a Literature Review
- Take Notes & Keep Track
- **Gather References & Citations**
- Draft an Outline



Two ways to use references and citations

- One paper's reference list can be a gateway to a second set of relevant articles during your literature search
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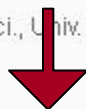
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A Distributed Numerical Approach to Interference Alignment and Applications to Wireless Interference Networks

Full Text as PDF

Full Text in HTML

3 Author(s) Gomadam, K. ; Electr. Eng. & Comput. Sci., Univ. of California, Irvine, CA, USA ; Cadambe, V.R. ; Jafar, S.A.



Abstract

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Recent results establish the optimality of interference alignment to approach the Shannon capacity of interference networks at high SNR. However, the extent to which interference can be aligned over a finite number of signalling dimensions remains unknown. Another important concern for interference alignment schemes is the requirement of global channel knowledge. In this work, we provide examples of iterative algorithms that utilize the reciprocity of wireless networks to achieve interference alignment with only local channel knowledge at each node. These algorithms also provide numerical insights into the feasibility of interference alignment that are not yet available in theory.

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152 Citations
IEEE (146) | Other Publishers (5) | Patents (1)

Cited by IEEE (146)

1. Cadambe, V.R.; Jafar, S.A. "Interference Alignment and Degrees of Freedom of the -User Interference Channel", *Information Theory, IEEE Transactions on*, On page(s): 3425 - 3441 Volume: 54, Issue: 8, Aug. 2008
[Abstract](#) | [Full Text: PDF \(422KB\)](#)
2. Kim, D.; Torlak, M. "Optimization of Interference Alignment Beamforming Vectors", *Selected Areas in Communications, IEEE Journal on*, On page(s): 1425 - 1434 Volume: 28, Issue: 9, December 2010
[Abstract](#) | [Full Text: PDF \(558KB\)](#)
3. Chatzinotas, S.; Ottersten, B. "Cognitive interference alignment between small cells and a macrocell", *Telecommunications (ICT), 2012 19th International Conference on*, On page(s): 1 - 6
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References/Citing Documents

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Viewing: **Integration of packaged RF MEMS switches with radiation pattern reconfigurable square spiral microstrip antennas**

REFERENCES

- 1- [Multifunctional reconfigurable MEMS integrated antennas for adaptive MIMO systems](#)
- 2- IEEE Trans. Commun.
- 3- [Microstrip antennas with frequency agility and polarization diversity](#)
- 4- A reconfigurable leaky-wave/patch microstrip aperture for phased-array applications
- 5- A pattern reconfigurable microstrip parasitic array
- 6- Design of reconfigurable slot antennas


CITING DOCUMENTS

[DIVERSITY MEASUREMENTS OF A RECONFIGURABLE ANTENNA WITH SWITCHED POLARIZATIONS AND PATTERNS](#)
Poussot, B., Laheurte, J.-M., Cirio, L., Picon, O., Delcroix, D., Dussopt, L.,
Antennas and Propagation, IEEE Transactions on, Volume: 56 Issue: 1, Jan. 2008
On page(s): 31 - 38

Abstract
A reconfigurable parasitic patch array is designed to provide polarization and pattern diversities. The performance of the device is predicted using a commercial simulator including a pin diode modelling and an optimization procedure of the switched loads based on an equivalent flow graph. Measurements of the correlation factor and the diversity gain in an indoor environment are performed with a dedicated platform for two orientations of the antenna.

[6- A versatile beam steering double square loop antenna for modern wireless communications](#)

Cited by Patents (1)

1. Pereira, Stephanie F. ; Xue, Feng , "WIRELESS NETWORK AND METHOD FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTERFERENCE ALIGNMENT IN WIRELESS NETWORKS" , Patent No. 8036098  

[View At Patent Office](#)  | [Full Text:PDF](#) 

Inventors:

Pereira, Stephanie F. ; Xue, Feng

Abstract:

Embodiments Of A Central Scheduler And Method For Adaptive Clustering Are Generally Described Herein. In Some Embodiments, A Cluster Of Transmitter-receiver Pairs Is Selected Based On Minimum Singular Values Calculated From Direct Channel Information And The Selected Pairs Are Instructed To Perform An Interference Alignment Technique. </P>

Assignee:

INTEL CORP

Filing Date:

April 20, 2009

Grant Date:

October 11, 2011

Patent Classes:

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370201000, 370208000, 370328000, 370329000

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Effects of Denial-of-Sleep Attacks on Wireless Sensor Network MAC Protocols

Raymond, David R. ; Marchany, R.C. ; Brownfield, M.I. ; Midkiff, S.F.
Vehicular Technology, IEEE Transactions on
Volume: 58 , Issue: 1
DOI: 10.1109/TVT.2008.921621
Publication Year: 2009 , Page(s): 367 - 380
Cited by: Papers (18)
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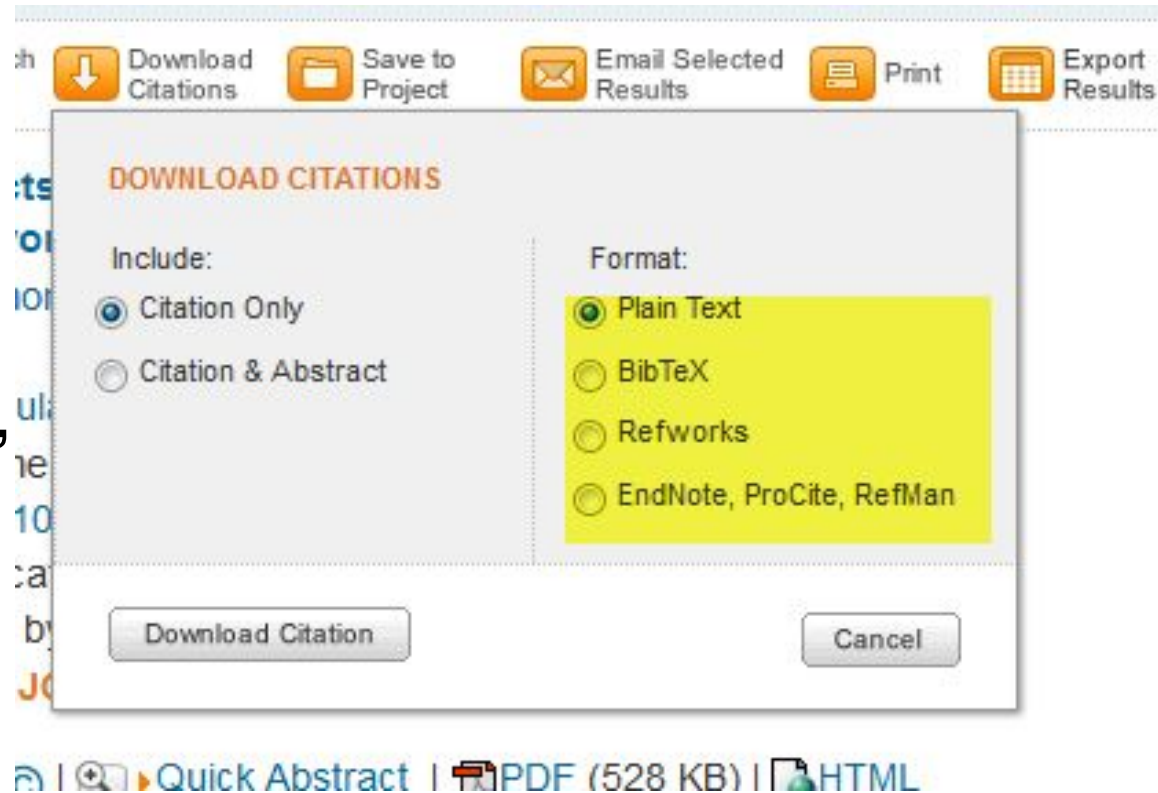
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Intrusion detection techniques in mobile ad hoc and wireless sensor networks

Bo Sun ; Osborne, L. ; Yang Xiao ; Guizani, S.
Wireless Communications, IEEE
Volume: 14 , Issue: 5
DOI: 10.1109/WAC.2007.4300040

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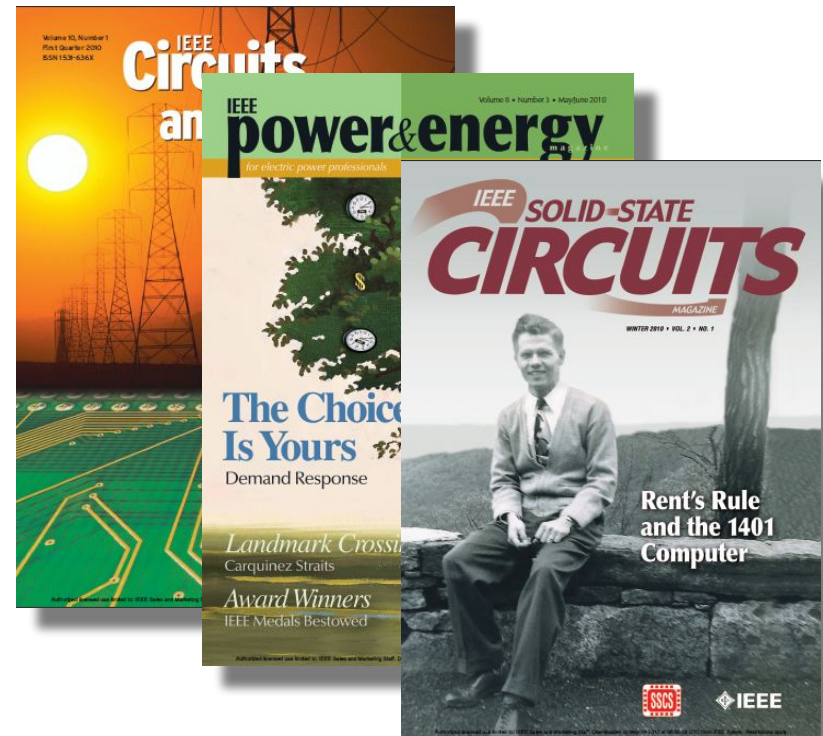
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Aims & Scope

The IEEE Transactions on Signal Processing covers novel theory, algorithms, performance analyses and applications of techniques for the processing, understanding, learning, retrieval, mining, and extraction of information from signals. The term "signal" includes, among others, audio, video, speech, image, communication, geophysical, sonar, radar, medical and musical signals. Examples of topics of interest include, but are not limited to, information processing and the theory and application of filtering, coding, transmitting, estimating, detecting, analyzing, recognizing, synthesizing, recording, and reproducing signals.

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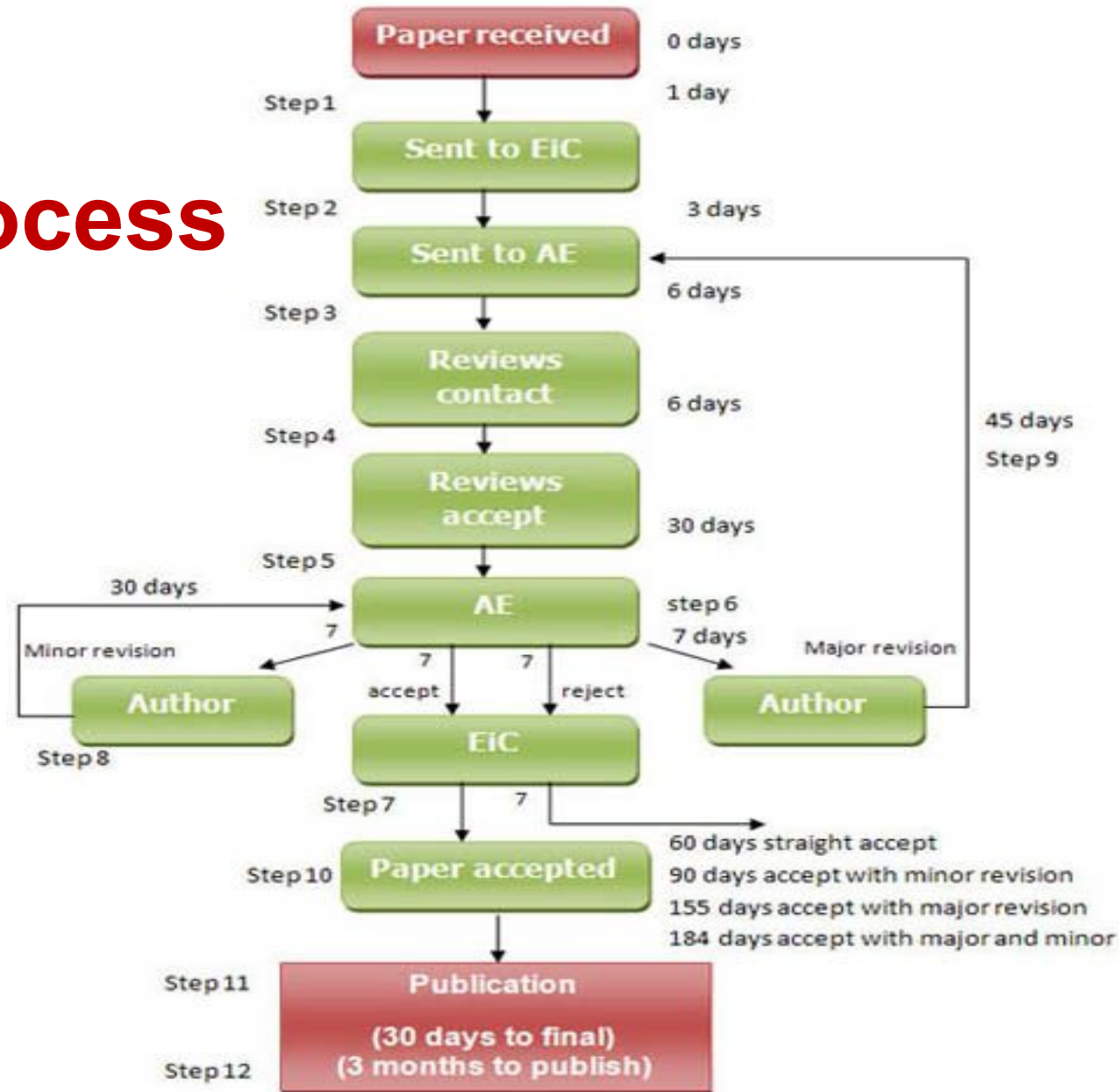
Scope: The IEEE Transactions on Signal Processing covers novel theory, algorithms, performance analyses and applications of techniques for the processing, understanding, learning, retrieval, mining, and extraction of information from signals. The term "signal" includes, among others, audio, video, speech, image, communication, geophysical, sonar, radar, medical and musical signals. Examples of topics of interest include, but are not limited to, information processing and the theory and application of filtering, coding, transmitting, estimating, detecting, analyzing, recognizing, synthesizing, recording, and reproducing signals.

The theory and means for achieving these and related aims, along with the environmental, psychological, and physiological factors of these technologies are the scope in overview of the IEEE Transactions on Signal Processing, the IEEE Signal Processing Letters, and IEEE Signal Processing Magazine. Portions are addressed more specifically in other Society journals, IEEE Transactions on Image Processing, the IEEE Transactions on Multimedia, the IEEE Transactions on Audio, Speech and Language Processing, and the IEEE Transactions on Information Forensics and Security.

The scope is reflected in the EDICS: the Editors' Information Classification Scheme. The Transactions publish original, timely and significant contributions. Submissions must be previously

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Sponsored by Signal Processing Society - SP

The International Conference on Image Processing (ICIP), sponsored by the IEEE Signal Processing Society, is the premier forum for the presentation of technological advances and research results in the fields of theoretical, experimental, and applied image and video processing.

Conference Details

Dates	27 Oct - 30 Oct 2014
Location	CNIT La Defense Paris, France
Web site	www.icip2014.com
Contact	Beatrice Pesquet-Popescu 46 rue Barrault France Paris Cedex 13 75634 +33 1 45 81 71 pesquet@telecom-paristech.fr
Conference #	17529
Attendance	1200

Please see the [conference Web site](#) for full details.

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2012 International : Dresden-Grenoble (Semiconductor Conf

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2012 XXth Internati Machines (ICEM)

2012 1st Internatio Computer Science (

Lille, France



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Papers are reviewed on the basis that they do not contain plagiarized material and have not been submitted to any other conference at the same time (double submission).

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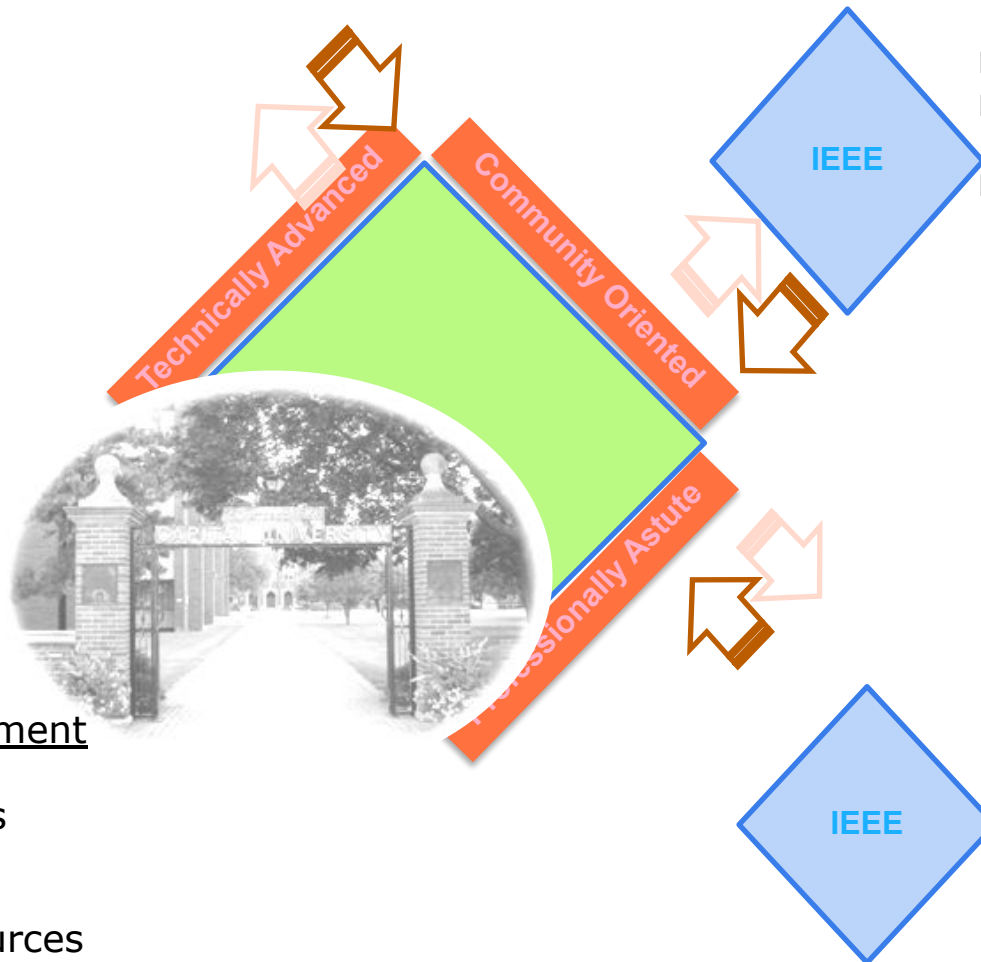
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Technical Programs & Opportunities

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- President's Change the World Competition
- Awards & Recognition

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- Professional Awareness Events
- Engineers Week
- Networking events
- Ethics Competitions

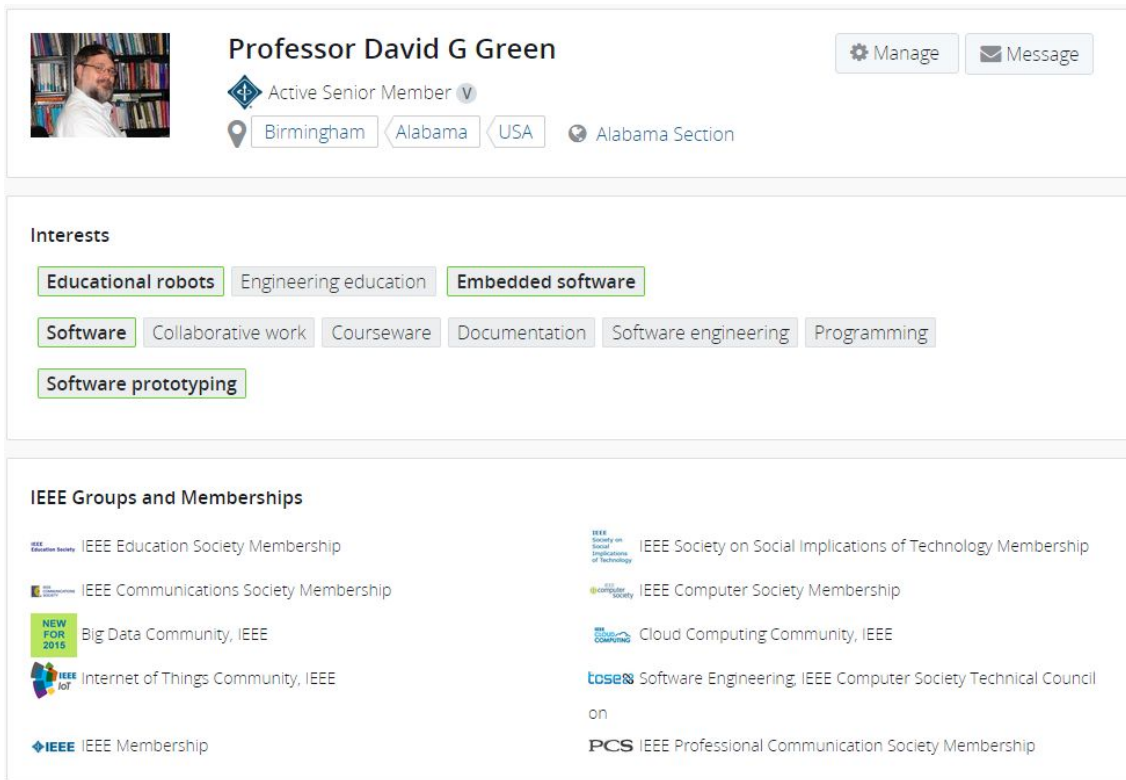
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PILOT

functions	All	Members	Volunteers
<i>Networking</i>	<ul style="list-style-type: none"> Professional Profiles Privacy settings Peer-to-peer connecting Activity stream Communities Notifications Integration w/ 3rd-party networks 	<ul style="list-style-type: none"> Member grade badges Enhanced privacy settings Exclusive communities 	<ul style="list-style-type: none"> Volunteer badging Vtools integration
<i>Career Development</i>	<ul style="list-style-type: none"> Profile management / career history Communities 	<ul style="list-style-type: none"> Exclusive communities Preferential placement in recruiter search results 	n/a
<i>Research</i>	<ul style="list-style-type: none"> Content discovery, library management; importing citations and documents from multiple services Private collaboration groups Cloud-storage 		<ul style="list-style-type: none"> IEEEExplore Google Scholar Microsoft Academic
<i>Authoring</i>	<ul style="list-style-type: none"> Collaborative document development Profile management / published works Bibliography generation Communities Cloud-storage 		<p>For example...</p> <ul style="list-style-type: none"> Requirements or design specifications, Application notes, Consulting proposals

Profile

Standardized layout for multiple constituencies who engage with IEEE, enabling professional identity and robust networking.



The screenshot shows a user profile for Professor David G Green. At the top left is a profile picture of a man with glasses and a white shirt. To the right of the photo is the name "Professor David G Green" and two buttons: "Manage" (with a gear icon) and "Message" (with an envelope icon). Below the name is a membership status "Active Senior Member" with a dropdown arrow, and location tags for "Birmingham", "Alabama", "USA", and "Alabama Section".

The "Interests" section contains several tags: "Educational robots", "Engineering education", "Embedded software", "Software", "Collaborative work", "Courseware", "Documentation", "Software engineering", "Programming", and "Software prototyping".

The "IEEE Groups and Memberships" section lists various IEEE organizations and the user's membership status:

- IEEE Education Society: IEEE Education Society Membership
- IEEE Society on Social Implications of Technology: IEEE Society on Social Implications of Technology Membership
- IEEE Communications Society: IEEE Communications Society Membership
- IEEE Computer Society: IEEE Computer Society Membership
- Big Data Community, IEEE: Big Data Community, IEEE (marked "NEW FOR 2015")
- Cloud Computing Community, IEEE: Cloud Computing Community, IEEE
- Internet of Things Community, IEEE: Internet of Things Community, IEEE
- Software Engineering, IEEE Computer Society Technical Council: Software Engineering, IEEE Computer Society Technical Council
- IEEE Membership: IEEE Membership
- IEEE Professional Communication Society: IEEE Professional Communication Society Membership

Key Features

Consolidated view into individual interests, biography, and connectivity

Connections within users' professional network

Customized settings enabling variable visibility by field



People

Access to the people engaged in the world's largest, technical professional society.

The screenshot displays the IEEE People search interface. On the left, there are three filter sections: Relationship, Country, and State. The main area shows a list of users, with the first three profiles visible: Vincenzo Piuri, Giorgio Vitetta, and Gianluca Setti. Each profile includes a photo, name, affiliation, location, and IEEE membership information.

Relationship

- All
- IEEE Volunteers
- Authors
- My Communities
- My Network

Country

- USA (250)
- India (82)
- Colombia (56)
- Canada (49)
- Brazil (24)
- Italy (24)
- United Kingdom (8)
- Spain (7)

Enter a country

State

- Turin (3)
- Pavia (2)
- Cagliari (1)

Vincenzo Piuri

Università degli Studi di Milano
Crema, Italy
IEEE Women in Engineering Membership IEEE Robotics and Automation Society Membership ... More

Giorgio Vitetta

University of Modena and Reggio Emilia
Modena, Italy
IEEE Internet of Things Community IEEE Smart Grid Community ... More

Gianluca Setti

Ferrara Univ Degli Studi Of
Ferrara, Italy
IEEE Signal Processing Society Membership IEEE Electromagnetic Compatibility Society Membership ... More

Showing 1

Italy x Reset

Follow 0

Key Features

Grade badging to distinguish IEEE members among each other and other users

Search faceting to locate users by specific criteria and level of engagement

Connectivity through shared interests, invitation management, and messaging



Communities: *collaborative* and *networking* opportunities

- Tap into your colleagues knowledge or share your expertise by asking and answering questions
- Share, view, and download files to garner opinions on the latest technology or research.
- Comment on files to trigger discussions and share opinions.
- View events related to technical or geo interests

*

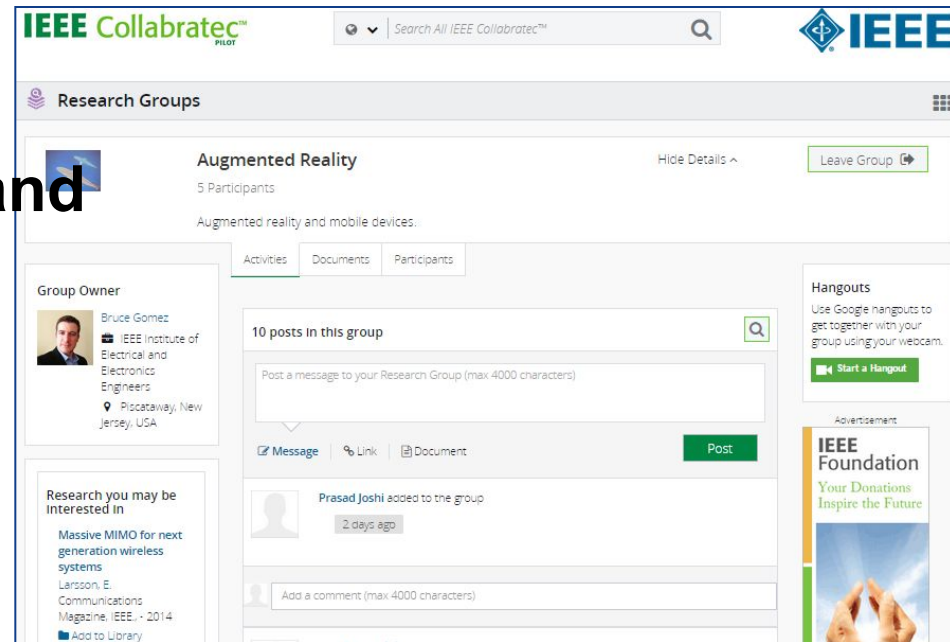
The screenshot shows a LinkedIn community page for 'CyberEthics and CyberPeace'. The page header includes the community name and a navigation bar with tabs for 'Activities', 'Files', 'Q & A', 'Events', and 'Participants'. Below the header, it states 'Community provided by: IEEE Computer Society e-Government Special Technical Community' and 'IEEE Society on Social Implications of Technology'. A 'Participants' section shows 38 members with a grid of profile pictures and an 'All Participants' button. A calendar for June 2015 is visible at the bottom left. The main content area shows '7 Post(s) in Community'. The first post is by James Isaak, who uploaded a file 'Cyber-Ethics Initiative v4.pdf' 4 days ago. The post includes a 'Cybernetics' tag and a description: 'Slightly updated version with a version/date on 1st page, and minor formatting changes.' Below the post are three comments: one by Dena Hoffman (3 days ago), one by Frank Fahrendorf (2 days ago), and one by Carlos E. Jimenez Gomez (7 hours ago). The comments discuss the overview and the goal of formulating a cyber ethics statement and code of conduct.

Research Groups: private, collaborative working spaces

- ❑ **Private group** not discoverable by anyone outside the group.
- ❑ **Facilitates collaboration over a collection of documents** to remotely co-author an article, report, project proposal,

etc.

- ❑ **Includes an activity stream and common library** with remote co-authoring tools.
- ❑ **Parameters expanding**



*

IEEE **ResumeLab**

- New member benefit launched 31 January 2014
- Create resumes and cover letters using customized templates with built-in training and tool tips
- Build video resumes and work portfolios
- Take mock interviews with 900+ practice interview questions
- Over 8000+ users (as of July 2015)

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Resumes



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ieeetest@ieee.org

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Piscataway, NJ 08873

7325625430
[WORK]

PROFESSIONAL QUALIFICATIONS

- 15+ years of increasingly responsible experience in Public Works & Civil Engineering Projects for the Darden County Government (Texas).
- Outstanding skills in project design, engineering, cost estimating, scheduling and CPM. Skilled PC user.
- Equally extensive experience in field project management and crew training/leadership.
- Supervisory responsibility for up to 12 design, estimating, field and project management personnel.
- Strong negotiations, communications and persuasion skills. Able to effectively communicate complex engineering concepts, plans and programs to non-technical personnel.
- Excellent engineering qualifications across all core disciplines – civil, mechanical, environmental, hydraulic, sewage and geotechnical.

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Mock Interview

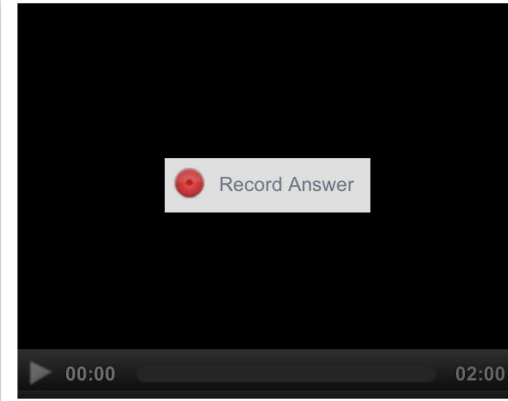
QUESTION

What would your former employer say is your highest achievement?

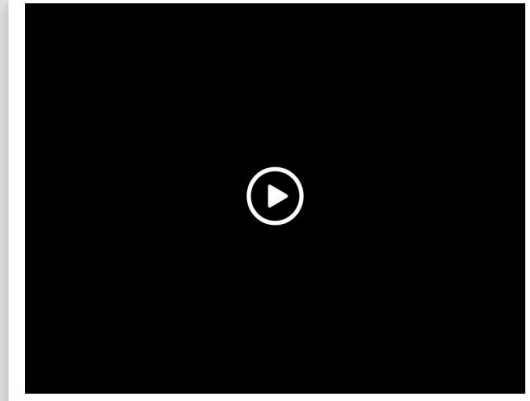
Next Question »



INTERVIEWER: **David, Optimal Resume**




CANDIDATE: **IEEE Testing**




COACH: **David, Optimal Resume**

Questions Playlist (20)

You have 20 unrecorded questions

 **What would your former employer say is your highest achievement?**

INTERVIEWER: DAVID, OPTIMAL RESUME
COACH: DAVID, OPTIMAL RESUME



Remember that you are not being asked what you personally think your highest achievement is, but rather what your employer would say about you. The key is to pick an accomplishment that your employer would remember well and be able to describe

Skills Assessment

SKILLS (35)		EXPERIENCES + ADD MORE				
		✕ DELETE	✕ DELETE	✕ DELETE	✕ DELETE	✕ DELETE
SKILLS + ADD MORE		Courses	Jobs / Internships	Service / Volunteer Work	Memberships / Activities	Interests / Life Experiences
<input type="checkbox"/>	↕ Judgment and Decision Making	Add	Add	Add	Add	Add
<input type="checkbox"/>	↕ Management of Financial Resources	Add	Add	Add	Add	Add
<input type="checkbox"/>	↕ Coordination	Add	Add	Add	Add	Add
<input type="checkbox"/>	↕ Critical Thinking	Add	Add	Add	Add	Add
<input type="checkbox"/>	↕ Negotiation	Add	Add	Add	Add	Add
<input type="checkbox"/>	↕ Active Listening	Add	Add	Add	Add	Add
<input type="checkbox"/>	↕ Monitoring	Add	Add	Add	Add	Add

Shareable Resume/Portfolio

Resume

Portfolio

Skills

 [Microsoft\(R\) Word Compatible](#)  [PDF](#)

IEEE Testing

ieeetest@ieee.org
7325625430
445 Hoes Lane
Piscataway, NJ 08873

Summary

This is my summary...

Technical Skills

Programming:

- C++, Java, Servlets, XML, PHP

Operating Systems:

- Unix, Mac OS and Windows.

Network Technologies:

- TCP/IP, SS7 protocol stack

Education

North Carolina State University, Raleigh, NC
Master of Science, Computer Science, 2014
GPA: 3.4 on a scale of 4.0

University of New Delhi, New Delhi, India
Bachelor of Science, Informatics and Electronics, 2011

Experience

Ardent Systems Research Triangle Park, NC

Firmware Developer/Intern

- Worked closely with the senior engineer on the firmware of a raman spectroscopy used to detect and analyze the chemical composition of pharmaceuticals. Interfaced the unit with desktop PC's running XP and Vista ahead of schedule.
- Designed a shell interpreter with syntax similar to UNIX C-shell using C on Linux for the calibration of a measurement instrument.

Activities and Awards

Placed 2nd in 'Overnight Project Design' competition held at the technical fest organized by the Department of Computer Science, University of Delhi



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