



Call for Speakers for



The 2017, 12th Annual IEEE/ACM Information Technology Professional Conference at TCF

Event: **Friday, March 17, 2017 and Saturday, March 18, 2017**
Location: **The College of New Jersey, Ewing Township, NJ**
Abstract Submission Date: **Friday, February 3, 2017**

The 2017 IT Professional Conference provides a set of presentations relevant to today's professional IT community. Bringing together practitioners, academics and industry leaders in a forum to exchange experiences, innovations, practical implementations, studies, designs and approaches important to current Information Technology.

You are invited to submit a one paragraph abstract of your presentation (full paper submissions are not necessary), along with a one-paragraph bio and digital photograph of yourself to the conference chair, David Soll (dsoll@ieee.org), by Friday, February 3, 2017. All suggested talks will be considered. Each presentation is targeted to be 55 minutes in length. More information on the 2017 IT Professional Conference can be found at <http://princetonacm.acm.org/tcfpro/>.

We are particularly interested in recent talks in the following areas:

Technology	Manufacturing Computer Systems
Infrastructure	IT Management
Application Development	Professional Development

The 2017 ITPC is associated with the **42nd Annual Trenton Computer Festival** www.tcf-nj.org to be held on Saturday, March 18, 2017 and the **7th Annual IEEE Integrated Stem Education Conference** <http://ewh.ieee.org/conf/stem/> to be held on Saturday, March 11, 2017 at the Friend Center, Princeton University, Princeton, NJ. Visit these websites for information on their individual Call for Speakers.

Sponsored by the IEEE Princeton/Central Jersey Section Computer Society Chapter with technical co-sponsors the IEEE Princeton Central Jersey Section, the Princeton Chapter of the ACM, the IEEE Region 1 and the IEEE Region 2.



Suggested presentation topics include (but not limited to):

IT Management

- How to Build, Maintain, and Motivate an IT Staff
- Reducing long term support costs
- Portals and Knowledge Management
- Changes in Microsoft/An inside look at Microsoft
- Managing Viruses
- The Impact of Windows 10
- IT Security and Cryptography
- Protecting Intellectual Property Assets
- Digital Rights Management
- Designing College Curricula to Match the Needs of IT
- BYOD (Bring Your Own Device)
- Attracting Students into IT
- Off-shoring and outsourcing Application/Solution Development
- Compliance
- Devops
- Retraining Staff
- Managing Social Media into the Business
- Online Back-up

Operational Technology & Manufacturing

- Process Data Integration
- Time Series Data Historian
- Introduction to Process Analytical Technology (PAT)
- The Future of Real Time Performance Management
- Bringing Process Data to the Business User
- Computer Validation Methodologies
- Batch Process Reporting
- Bracket and compare repeatable continuous processes
- Machine Vision
- Product Tracking

Application Development

- Mobile First
- HTML5
- Cloud Computing
- Developing Custom Web Parts
- Developing Metro Applications
- Developing HTML 5 Applications
- AngularJS
- SQL Server 2016
- Storyboarding
- Web Application Development
- .NET
- WPF, WCF, Workflow
- Freeware in production application development
- Managing multi-vendor application development projects
- Prototyping/Rapid Application Development/Agile
- Software Testing and Tools
- Static, Dynamic and Gradual Typed Languages
- Software Development Processes, Languages and Tools
- Rules based Engines, Languages and Applications
- User Interface Design
- Human Factors Engineering
- Open Source
- NoSQL
- Github
- Scala
- Hadoop

Technology

- Wearable Technology
- Big Data
- Mobility Computing
- Biometrics
- Next Generation Storage
- Microsoft Office 2013
- SharePoint Web Application Framework
- System Center
- Windows 8.x
- Windows 10
- Virtualization
- Silverlight and WPF
- Windows Communications Foundation
- Windows Server 2013 R2, Windows Server 16
- Software as a Service (SaaS)
- Firewalls
- Software Defined Network
- Computer Image Visual Recognition
- Sensors Integration
- Data Representation and Visualization
- Software Architectures and Decision Making
- Autonomous Vehicles
- Modeling
- System of Systems

Infrastructure

- Network Integration
- Migration and Transformation
- Desktop Management
- SAN vs. NAS
- Designing a Manageable AD Infrastructure
- Exchange and Mobile Devices
- Solution Architecture
- Android vs. IOS vs. Windows 8.x RT
- Rights Management Services/IRM/DRM
- Spyware & Viruses and how to handle them
- IPv6
- Virtual Infrastructure
- Identity Management
- Upgrading to Active Directory
- Security Management
- Disaster Recovery
- Platform as a Service (PaaS)
- Infrastructure as a Service (IaaS)

Professional Development

- IT Consulting
- Career Planning and the New Normal
- Continuing Education, Skills Development and Resources
- Hot jobs and careers for 2017a and beyond
- Strategies for finding contract jobs
- How to Create a Personal Portfolio
- Apprenticeships, Internships, and Incubators
- Planning for retirement
- Massive Open Online Courses, MOOC
- The Evolution of IT Careers
- Jumpstarts