Call for Speakers

for

The 2015, 10th Annual

IEEE/ACM Information Technology Professional Conference at TCF

Event: **Friday, March 20, 2015 and Saturday, March 21, 2015**
Location: **The College of New Jersey, Ewing Township, NJ**
Abstract Submission Date: **Friday, January 9, 2015 Extended**

The 2015 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 program chair, David Soll (dsoll@ieee.org), by Friday, December 12, 2014. All suggested talks will be considered. Each presentation is targeted to be 55 minutes in length. More information on the 2015 IT Professional Conference can be found at http://princetonacm.acm.org/tcfpro/.

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

Application Development	Manufacturing Computer Systems
Infrastructure	IT Management
Technology	Professional Development

The 2015 ITPC is associated with the **40th Annual Trenton Computer Festival (TCF@40)** www.tcf-nj.org to be held on Saturday, March 21, 2015 and the **5th Annual IEEE Integrated Stem Education Conference** http://ewh.ieee.org/conf/stem/ to be held on Saturday, March 7, 2015 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.

Some potential topics are listed on the other side.

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 8.x
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
In House Collaboration
Retraining Staff
Managing Social Media into the Business
Online Back-up

Manufacturing Computer Systems

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 Technology
Product Tracking

Application Development

Mobile First
Cloud Computing
Developing Custom Web Parts
Developing Metro Applications
Developing HTML 5 Applications
Java vs. .NET
Visual Studio 2013
SQL Server 2012
Storyboarding
Web Application Development
BizTalk
.NET 4.5, 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
AI Engines and Game Design
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
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
Managing SPAM
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 2015 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
Consulting