



Call for Speakers for The 2020, 15th Annual



IEEE Information Technology Professional Conference at TCF

Event: **Friday, March 20, 2020 and Saturday, March 21, 2020**
Location: **The College of New Jersey, Ewing Township, NJ**
Abstract Submission Date: **Friday, January 10, 2020**

The 2020 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, January 10, 2020**. All suggested talks will be considered. Each presentation is targeted to be 55 minutes in length. More information on the 2020 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/OT
Infrastructure	IT Management
Application Development	Professional Development

The 2020 ITPC is associated with the **45th Annual Trenton Computer Festival** www.tcf-nj.org to be held on Saturday, March 21, 2020 and the **10th Annual IEEE Integrated Stem Education Conference** <http://ewh.ieee.org/conf/stem/> to be held on Saturday, March 28, 2020 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
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
Reactive Extensions
NoSQL
Github
Deep Learning/Machine Learning
Artificial Intelligence

Technology

Wearable Technology
Big Data
Containers, Dockers, Kubernetes
Mobility Computing
Biometrics
Next Generation Storage
IOT & IIOT
SharePoint Web Application Framework
System Center
Windows 10
Windows Server 2016
Virtualization
Silverlight and WPF
Windows Communications Foundation
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
Mobile Operating Systems & Integration
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 2018 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