



# Call for Speakers for The 2023, 17<sup>th</sup> Annual IEEE Information Technology Professional Conference at TCF

Event: **Friday, March 17, 2023 and Saturday, March 18, 2023**  
Location: **Hybrid (In-Person and Virtual)**  
Abstract Submission Date: **Saturday, January 21, 2023**

The 2023 IT Professional Conference provides a set of presentations relevant to today's professional IT community. Due to the current environment, we will be running the conference in-person and virtually online. The conference is designed to bring 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, Michael Redlich ([mike@redlich.net](mailto:mike@redlich.net)), by **Saturday, January 21, 2023**. All suggested talks will be considered. Each presentation is targeted to be 55 minutes in length. More information on the 2023 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 2023 ITPC is associated with the **47<sup>th</sup> Annual Trenton Computer Festival** [www.tcf-nj.org](http://www.tcf-nj.org) to be held on Saturday, March 18, 2023 and the **13<sup>th</sup> Annual IEEE Integrated Stem Education Conference** <http://ewh.ieee.org/conf/stem/> to be held on Saturday, March 11, 2023 online. 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, IEEE Region 1 and 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