



# Call for Speakers for The 2022, 16th Annual IEEE Information Technology Professional Conference at TCF

Event: **Friday, March 18, 2022 and Saturday, March 19, 2022**  
Location: **In-Person, Hybrid or Virtual Event (TBD)**  
Abstract Submission Date: **Saturday, January 15, 2022**

The 2022 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 either in-person, hybrid or 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 15, 2022**. All suggested talks will be considered. Each presentation is targeted to be 55 minutes in length. More information on the 2022 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 2022 ITPC is associated with the **46th Annual Trenton Computer Festival** [www.tcf-nj.org](http://www.tcf-nj.org) to be held on Saturday, March 19, 2022 and the **11th Annual IEEE Integrated Stem Education Conference** <http://ewh.ieee.org/conf/stem/> to be held on Saturday, March 26, 2022 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