



# TCF'19™



Twitter:  
@TCFfestival

NJ Makers Day Partner

Saturday, March 23, 2019 at The College of New Jersey, Ewing NJ

## Focus on Cyber Security

3:40pm

Keynote Speaker:  
Tony Sager



The Center for Internet Security,  
on "Never Say Anything:  
The Education of a Cybergeek"

Tony Sager is a Senior Vice President and Chief Evangelist for CIS (The Center for Internet Security). He leads the development of the CIS Controls, a worldwide consensus project to find and support technical best practices in cybersecurity. Tony also serves as the Director of the SANS Innovation Center, a subsidiary of The SANS Institute. Tony retired from the National Security Agency (NSA) after 34 years as an Information Assurance professional.

Featured Technical Speaker:  
Rebecca Mercuri of Notable Software,  
will present, at 1:30pm,  
"A 2020 Vision of U.S. Election Security"



**INDOOR VENDOR FAIR & FLEA MARKET**  
**50+ Talks, Workshops, Tutorials,  
Demos and Special Events!**

**Object-Oriented Programming University:  
One Day of Short Courses - Python & Java**

**All-Day Robotics Pavilion  
Room ED-205**

**Maker Demos; Get Started with Drones**  
**Tour the Sarnoff Museum of Technology**



**TCF Saturday Banquet with Door Prizes.**  
Ticket Information is on the TCF website.

**IEEE Integrated STEM Education Conference (ISEC)\*\***  
Saturday, March 16, 2019 – 8:00am — 5:00pm  
at McDonnell Hall, Princeton University, NJ  
Theme: iSTEM: Lead, Engage, Succeed!  
Info: <http://ewh.ieee.org/conf/stem/>

2019 P-R-E-V-E-N-T

\*\*The IT Pro (Friday) and ISEC Conferences require separate registrations.

The 2019 TCF™ is sponsored by The College of New Jersey, its School of Engineering and supported organizations.

**Admission: \$14.00 (advance)**  
**\$20.00 at Door**  
**Free Parking / Wi-Fi**  
**[www.tcf-nj.org](http://www.tcf-nj.org)**

at The College of New Jersey, Ewing, NJ  
Saturday, March 23, 2019

9:00am - 5:00pm (vendors close at 3:30pm)  
Registration/Vendor Fair open at 9am, Talks start at 10:15am.



David Soll  
on Windows 10  
Security Features



Hands-on  
Arduino Workshop  
for Beginners



Author Barry Burd Speaks on  
App Dev. with Flutter; Quantum  
Computing; Blockchain



Kip Rosser Plays and Speaks  
on Cybercrime and Theremin Zen

**Play the Mystabar Adventure game on  
your laptop, tablet or smartphone.**

**WordPress Bootcamp**

**Ham Cram Session & Exam:  
Get an Amateur Radio License in  
one day at TCF! Cram begins at 9am.**

**IEEE/ACM IT PROFESSIONAL CONFERENCE**

**Friday March 22, 2019, 8:30am — 5:00pm\*\***  
and continues as part of TCF's Saturday Talks.  
**For Conference Info and Fees see**  
**<http://princetonacm.acm.org/tcfpro/>**

**For additional TCF'19 info,  
directions and advance tickets:**  
**[www.tcf-nj.org](http://www.tcf-nj.org)**

Saturday	ED-115	ED-211	ED-209	ED-208	ED-207	ED-206	ED-113	ED-110	ED-109	ED-107	ED-105	ED-103	ED & RWH
	Cyber Security	Entrepreneurship & Bus.	IT-PC	Social Media & Apps	History & Technology	Education & STEM	Technology & Robotics	Microsoft & Trends	Software/ App Dev.	Arduino & Software	OOP University	Amateur Radio	Exhibits
10:15am to 11:10am	How to be Safe in Cyberspace <i>T. Kenny</i>	Introduction to Cricut & other Home Cutting Machines <i>B. Bell</i>	WordPress Bootcamp <i>L. Judice</i>	Want to be a Super Spy <i>C. Hofstetter</i>	The Space Shuttle Computer Systems <i>F. O'Brien</i>	Learn How to Solder <i>J. Allen</i>	<b>Mystabar Demystified:</b> How to Play TCF2019 Game <i>R. Cole</i>	Satellite Amateur Radio Communications Today <i>S. Bossert</i>	<b>Quantum Computing and Beyond</b> <i>B. Burd</i>	<b>Hands-On Arduino Workshop for Beginners</b>  <i>Conducted by K. Frolio</i>  <i>(Limited Space; Bring Your Laptop! Load Free Arduino Software before attending: www.arduino.cc/en/Main/Software)</i>	Introduction to OOP Design Principles <i>M. Redlich</i>	<b>Ham Cram 101 Ham Radio License Exam Preparation Cram Course</b>  Ham Cram Session begins at 9:00am and goes to 12:30pm  Practice Exam given at 1:30pm  Walk-in Real Exam given at 3:40pm  Conducted by the David Sarnoff Radio Club <a href="http://www.n2re.org">www.n2re.org</a>	Theremin in Room ED-207 at 11:20am  <b>Lockpick Village Workshop on How to Pick Locks, Repeated Hourly in Room ED-204</b>  <b>Poster Presentations</b>  <b>Digital Photo Exhibit</b>  <b>Vintage Computers</b>  <b>Club/Org Tables</b>  <b>Tour the Sarnoff Museum of Historic Technology (12:30pm-5pm in RWH, 2nd Floor)</b>
11:20am to 12:15pm	<b>State of Cybercrime in New Jersey NJCCIC</b>	Workshop: How to Write Proposals and Requirements <i>B. Berenbach</i>		8-bit Game Development in New Jersey <i>S. Marshall</i>	Cybercrime and Theremin Zen <i>K. Rosser</i>	Cutting Edge Web & Digital Connectivity in 2019 <i>E. Kaplan</i>	Introduction to Robotics and the Robotics Pavilion <i>S. Kim</i>	<b>Stock Market Timing Using Neural Networks</b> <i>D. Fishbein</i>	Raspberry Pi and IOT <i>B. Brutzman</i>		Getting Started with Java <i>M. Redlich</i>		
12:25pm to 1:20pm	Cybersecurity Issues for Drones <i>D. Schaeffer &amp; P. Olsen</i>	Blockchain: A Solution for Supply-chain Integrity <i>J. Stollman</i>	Explicit Embedded Programming <i>B. Wong</i>	Internet Job\$\$\$\$ <i>D. Hsu</i>	Workshop: Build a Ham Radio Digital (Repeater) Hotspot for < \$100 <i>J. Apuzzo</i>	Flying Around the World, to N. Pole & More in a Small Plane <i>M. Balk</i>	New Hardware to Accelerate DSP and Graphics <i>J. Bellott</i>	<b>Security Features of Windows 10</b> <i>D. Soll</i>	Develop Apps for iPhone & Android with Flutter <i>B. Burd</i>	Introduction to Python <i>C. Knight</i>			
1:30pm to 2:25pm	<b>A 2020 Vision of U.S. Election Security</b> <i>R. Mercuri</i>		Hacking Machine Learning & Mitigation Strategies <i>L. Kunireddy</i>	Social Media Opportunities: From Intern to VP <i>D. Hsu</i>		Learn to Present: The World is a Stage <i>C. Jackson</i>	Building Computer Systems for IoT using the Arduino <i>E. Williams</i>	Getting Started in Deep Learning <i>L. Pearlstein</i>	OpenVPN <i>D. Ferguson</i>	Pythonic Object-Oriented Development <i>C. Knight</i>			
2:35pm to 3:30pm	Advances in Wireless and Cellular Security <i>J. Jesson</i>	Privacy & Anonymity in the Modern Age <i>C. Hofstetter</i>		The Hacking Methodology <i>R. Cole</i>	Earth-Moon-Earth (EME) Communication with Digital Techniques <i>A. Katz</i>	The Fates of GE & RCA: Electronics Manufacturing in the Comp. Age <i>F. Pierri</i>	Introduction to Switching-mode Power Supplies <i>M. Blanco</i>	Getting Started with Drones <i>M. Kazigian &amp; M. Pagan</i>	Blockchain: What makes it Work? <i>B. Burd</i>	Free and Cheap Computer Classes <i>C. Walker</i>	Using Design Patterns in Java Application Development <i>M. Redlich</i>		
3:40pm to 4:35pm	<b>Featured Keynote Speaker: Tony Sager, Senior VP and Chief Evangelist of The Center for Internet Security, will talk on "Never Say Anything: The Education of a Cybergeek" in Room ED-115</b>												

**The 2019 TCF Computer Festival — Saturday, 23 March 2019**

**Keynote Speaker (3:40pm, Room ED-115):** This year's Keynote Speaker, **Tony Sager**, Senior Vice President and Chief Evangelist at the Center for Internet Security (CIS), will talk on **"Never Say Anything: The Education of a Cybergeek"**. He leads the development of the CIS Controls, a worldwide consensus project to find and support technical best practices in cybersecurity. He also worked for the NSA for 34 years.



**Featured Tech. Speaker, Barry Burd (Room ED-109)**  
**(10:15am):** Quantum Computing and Beyond.  
**(12:25pm):** Developing Apps for iPhone and Android with Flutter.  
**(2:35pm):** Blockchain: What makes it Work?



**WordPress Bootcamp (10:15am in ED-209):** Conducted by **Lou Judice**.  
**Mystabar Adventure Game can be played on your laptop, tablet or smartphone.**  
**Login at Mystabar.com**

**Object-Oriented Programming University:** Offers a one-day introduction to Python and Java programming by Mike Redlich and Chuck Knight, in Room ED-105.  
**Tour the Sarnoff Museum Collection of Historic Video and Electronic Technology:** in Roscoe West Hall, 2nd Floor, at TCNJ. Open from 12:30pm to 5pm, with curator-guided tours at 12:30pm and 4:35pm.

**ALL-DAY ROBOTICS PAVILION in Room ED-205**

**TCF'19 Saturday Evening Banquet**  
**Tony Sager,**  
 Speaks on "Cyber Security" in the Education Building, Room ED-212 at 6:00pm  
 Banquet Admission: \$32  
 Ticket information on the TCF website [www.tcf-nj.org](http://www.tcf-nj.org) (by March 17th).  
 Pick up tickets on Sat. at VIP/Speakers desk.  
 Door Prizes! Door Prizes! Door Prizes!

**Friday - ITPC 2019**  
 14th IEEE/ACM Information Technology Professional Conference at TCF  
 8:30am to 5:00pm, Education Building  
 Friday, March 22, 2019  
 (Conference registration required.)  
 Info/Fees: <http://princetonacm.acm.org/tcfpro>

Twitter: @TCFfestival  
[www.tcf-nj.org](http://www.tcf-nj.org)