

TCF-2018 Saturday Talks & Forums — 17 March 2018, 9am—5pm, Indoor Flea Mkt opens 9am

ED = New Education Building RWH = Roscoe West Hall SSB = Social Sciences Building

Subject to Last Minute Changes

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
	Wearable Tech	Entrepreneurship & Bus.	IT-PC	Social Media & Apps	History & Technology	Education & STEM	Technology & Hardware	Microsoft & Trends	Software/ App Dev.	Arduino & Software	OOP University	Amateur Radio	Exhibits
10:15am to 11:10am	Future of Medical Device Development <i>B. Acevedo</i>	mTrigger: Biofeedback Reinvented <i>A. Lalime</i>	Wordpress Bootcamp <i>L. Justice</i>	IP Research & Discovery with InnovationQ Plus <i>J. Jesson</i>	Research & Development in AI - An Update <i>A. Schwartz</i>	Getting Started: PCs/Tablets, Internet & Digital Photography <i>H. Hinitz</i>	Agricultural Robotics <i>R. Kannan</i>	Introduction to HTML5 <i>D. Soll</i>	Quantum Computing with Q# Language <i>B. Burd</i>	Hands-On Arduino Workshop for Beginners Conducted by <i>K. Frolio</i>	Introduction to OOP Design Principles <i>M. Redlich</i>	Ham Cram 101 Ham Radio License Exam Preparation Course 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	Theremin in Room ED-207 at 11:20am Lockpick Village Workshop on How to Pick Locks, Repeated Hourly in Room ED-204 Poster Presentations Digital Photo Exhibit Vintage Computers Club/Org Tables Tour the Sarnoff Museum of Historic Technology (9am-3pm in RWH, 2nd Floor)
11:20am to 12:15pm	Tricorders: Making Science Fiction Reality <i>G. Harris</i>	An IoT Strategy for Your Company <i>Z. Mannan</i>		Self-Publishing in the Digital Age <i>S. Marshall</i>	The Theremin & Technical Joy <i>K. Rosser</i>	Best Websites and Web Dark Secrets for 2018 <i>E. Kaplan</i>	Introduction to Robotics and the Robotics Pavilion <i>S. Kim</i>	Stock Market Timing Using Neural Networks <i>D. Fishbein</i>	Writing Apps, Part 1: for iPhone <i>B. Burd</i>		Getting Started with Java <i>M. Redlich</i>		
12:25pm to 1:20pm	Q & A on Wearable Tech Development <i>B. Wong</i>	Privacy & Anonymity in the Modern Age <i>C. Hofstetter</i>	Introduction to Switch Mode Power Supplies <i>M. Blanco</i>	Internet Job\$\$\$ <i>D. Hsu</i>	The Space Shuttle Computer Systems <i>F. O'Brien</i>	Do It Yourself: Home Automation and Demo <i>N. Cherry</i>	Seeing in Pixels: Practical Neural Networks <i>W. Seto, B. Siebert & S. Maxwell</i>	Introduction to Windows 10 <i>D. Soll</i>	Writing Apps, Part 2: for Android <i>B. Burd</i>	(Limited Space; Bring Your Laptop! Load Free Arduino Software before attending: www.arduino.cc/en/Main/Software)	Advanced Java <i>M. Redlich</i>	Conducted by the David Sarnoff Radio Club www.n2re.org	
1:30pm to 2:25pm	How Safe are Wireless Wearable Devices <i>A. Katz</i>	How to Effectively Present <i>T. Lombardi</i>	Bitcoin: Better than Gold? <i>D. Hsu</i>	Computer Music: Sounds to Symphonies <i>D. Slepian</i>	Workshop: How to Create Virtual Reality (VR) Apps <i>O. & M. Rivera</i>	Home Chip Fab: How to Make Semiconductors and Integrated Circuit Chips (ICs) at Home <i>S. Zeloof</i>	Connecting and Controlling the IoT <i>E. Williams</i>	Augmented Reality (AR) <i>W. Silverman</i>	Building a WiFi System with pfSense <i>D. Ferguson</i>		Getting Started with C++ <i>M. Redlich</i>		
2:35pm to 3:30pm	Advances in Low-Cost Med. & Environment Sensors <i>J. Jesson</i>		Introduction to Python <i>C. Knight</i>	The Hacking Methodology <i>R. Cole</i>			Home Automation <i>P. Bergsman</i>	Microsoft Hololens <i>W. Silverman</i>	Developing Alexa Skills <i>B. Burd</i>	Radio Frequency Beyond Radio <i>J. Allen</i>	Advanced C++ <i>M. Redlich</i>		
3:40pm to 4:35pm	<p>Featured Keynote Speaker: Nick van Terheyden M.D., former Chief Medical Officer for Dell, will talk on "Healthcare Innovation Incremental and Exponential" in Room ED-115</p>												

The 2018 TCF Computer Festival — Saturday, 17 March 2018

Keynote Speaker (3:40pm): This year's Keynote Speaker, **Dr. Nick van Terheyden**, will explore the potential for wearables, genomics and other innovations that are washing over healthcare. What's the incremental improvement leading to the next innovative jump? How can this technology revolution change the cost profile and democratize access to healthcare?



Featured Tech. Speaker, Barry Burd (Room ED-109)

(10:15am): Quantum Computing with Q# Language.
(11:20am): Writing Apps Part 1, for iPhone.
(12:25pm): Writing Apps Part 2, for Android.
(2:35pm): Learn how to develop Alexa Skills.



Technical Speaker (11:20am):

George Harris, CTO, from the Qualcomm Tricorder XPRIZE winning company, Basil Leaf Technologies.



Object-Oriented Programming University: Offers a one-day introduction to object-oriented programming by Mike Redlich, ACGNJ President, 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 9am to 3pm.

ALL-DAY ROBOTICS PAVILION
in Room ED-205

TCF'18 Saturday Evening Banquet

Dr. Nick van Terheyden,
Speaks on "Digital Healthcare Strategies"
in the Brower Student Center,
Room 225E at 6:00pm
Banquet Admission: \$32
Tickets available on the TCF website
www.tcf-nj.org (by March 12th).
Pick up tickets on Sat. at VIP/Speakers desk.
Door Prizes! Door Prizes! Door Prizes!

Friday - ITPC 2018

13th IEEE/ACM Information Technology Professional Conference at TCF
8:30am to 5:00pm, Armstrong Hall
Friday, March 16, 2018

(Conference registration required.)
Info/Fees: <http://princetonacm.acm.org/tcfpro>

Twitter: @TCFfestival

www.tcf-nj.org