The 45th TCF — The College of NJ, Ewing, NJ

TCF-2021 Saturday Talks & Forums Via Zoom — 20 March 2021, 10:00 am—5:00 pm

Subject to Last Minute Changes

Saturday	T-1 Artificial Intelligence	T-2 Innovation	T-3 IT-PC	T-4 Social Media & Apps	T-5 History & Technology	T-6 Education & STEM	T-7 Technology & Robotics	T-8 Microsoft & Unix +	T-9 Software/App Dev.	T-10 OOP University	T-11 Amateur Radio
10:15am to 11:10am	Ethical Machine Learning, Prevention is Better than Cure L. Reddy	How to be Safe in Cyberspace T. Kenny	WordPress Bootcamp L. Judice	Mystabar 2: How to Play TCF2021 Game R. Cole	Flying to the Moon: the Apollo Guidance Computer F. O'Brien	NJ & NYC: the Birthplace of Electronics J. Allen	LoRa: IoT Long Range, Unlicensed Wireless Network J. DeGood	Create your CentOS Homelab B. Murphy	Artificial Intelligence for Real Business Problems S. Cade	Introduction to OOP Design Principles M. Redlich	**Ham Cram 101 Ham Radio License Exam Preparation Cram Course**
11:20am to 12:15pm	Machine Learning for Music Info Retrieval K. Chen	Ending a Digital Life D. Libes		Introduction to Cricut & other Home Cutting Machines B. Bell	Collecting, Restoring and Saving Computer History S. Matarazzo	Robots: Sensors, Actuators & Artificial Intelligence E. Kaplan	Drone Pkg. Delivery System. Humanoid Robot Exoskeleton Control Scheme. Electronic Excursion.	Stock Market Prediction Using Neural Networks D. Fishbein	New Insights in Quantum Computing B. Burd	Getting Started with Java M. Redlich	Ham Cram Session begins at 9 am and goes to about 2 pm
12:25pm to 1:20pm	Deep Learning, Natural Lang. Proc., Quest to Understand S. Siddiqui	TCF @ 50 A. Katz	Using AI in Healthcare V. Allugunti	Internet Job$$$ D. Hsu	Parking Lot Live Web Mon. Wireless Driveway Security System. Handheld Oscilloscope.	Learn to Present: The World is a Stage C. Jackson	Autonomous Wheelchair for the Physically Challenged R. Megalingam	Tricks and Tips for Windows 10 D. Soll	Develop Apps for iPhone & Android with Flutter B. Burd	Introduction to Python C. Knight	Advance Registration Required for Virtual Exam
1:30pm to 2:25pm	Introduction to Machine Learning with Azure R. Cole	Solar Water Purification Sys. Iot for Struct. Health Mon. Social Distancing with Bluetooth Beacons.	Investigating and Reconstructing Vehicle Collisions J. Schorr	Social Media Opportunities: From Intern to VP D. Hsu	Virus Inactivation Technology J. Jesson	Simple AI Programs to Engage CS Students E. Torres	Product Development with the Atmel 328P Chipset (Arduino) E. Williams	Arduino Tutorial for Beginners K. Frolio	OpenVPN D. Ferguson	Pythonic Object-Oriented Development C. Knight	Virtual Exam given at 3:30 pm
2:35pm to 3:30pm	TCF co-founder Sol Libes Remembered A. Katz, H. Kee & D. Libes	Blockchain & the Next Gen Battlefields C. Hofstetter	New 5G IoT Offerings J. Jesson	CRM Technology: Re-Skill & Reinvent your Career C. Jackson	Electronic Devices you Never Knew you Needed for your Car P. Bergsman	T-COM: A Low-Power Networked Mobile Health Device L. Pearlstein, J Sinoway	Introduction to Switching-mode Power Technology M. Blanco	Introduction to GNU Screen B. Murphy	Search Online for Tutors. Macro Keypad for Content Creation. Variable Bandpass Filter.	Using Design Patterns in Java Application Development M. Redlich	Conducted by the David Sarnoff Radio Club www.n2re.org
3:40pm to 4:35pm	**Featured Keynote Speaker:** Jerry Foster, co-founder and CTO of Plex Systems, will talk on *"How I Learned to Stop Worrying and Love Artificial Intelligence"*										

The 2021 TCF Computer Festival — Saturday, 20 March 2021

Keynote Speaker (3:40pm, via Zoom): This year's Keynote Speaker, **Jerry Foster**, co-founder and CTO of Plex Systems, will talk on **"How I Learned to Stop Worrying and Love Artificial Intelligence"**. He sets the pace of the innovation in the cloud, leading the company's technology strategy and research initiatives that drive the industry forward.

TCF co-founder Sol Libes Remembered by Al Katz, Hank Kee and Don Libes **(Zoom Track T-1, 2:35pm)**
Sol co-founded the very first TCF Festival in 1976. He was active on the TCF planning board, and as a speaker and a volunteer, for the entire life of TCF. Sol founded and was a long-time president of the Amateur Computer Group of NJ. He also published two computer magazines. He will be missed.

WordPress Bootcamp (10:15am in T-3): 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 Zoom Track T-10.
Four slots are Poster Sessions Presented Online by TCNJ Senior Students: in Zoom Tracks T-2 (1:30 pm), T-5 (12:25 pm), T-7 (11:20 am), and T-9 (2:35 pm).

ALL Talks are FREE, and Online via Zoom. To Attend, go to WWW.TCF-NJ.ORG

TCF'21 Saturday Virtual Online Event

**20 March 2021
Admission is FREE**

11 Simultaneous Zoom Tracks

The Zoom Links are at the TCF website:

WWW.TCF-NJ.ORG

Twitter: @TCFfestival

www.tcf-nj.org

28 Feb'21-r02a