

For a calendar of technical society meetings in the Mid-Hudson Valley go to:
<http://pok.acm.org/calendar.html> and/or to MHVLUG's calendar at <https://mhvlug.org/calendar>
Poughkeepsie Chapter of the Association For Computing Machinery



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Program: The Blockchain Transformation

When: 7:30 pm, Monday, April 17th, 2017

Where: **Hancock Center, Room 2023**, Marist College

Directions: Building 14 on the map at <http://www.marist.edu/about/map.html>

Parking: Please park at black dot #10 on <http://www.marist.edu/about/map.html> (the lot North of the Hancock Center #14) or in the lot East of Route 9, S/E of the former Main Entrance.

Speaker: Rebecca M. Gott

About the Program: This talk will explain how blockchain, the underlying technology that first emerged in the crypto currency Bitcoin, is promising to be a transformative technology that will impact many industries, including the financial services sector, insurance, healthcare, government, and media. We will introduce what blockchain is and how it works, starting from Bitcoin, to the multiple types of blockchain fabric implementations today. Specifically, we will discuss the Linux Foundation's Hyperledger project, which is an open source collaborative effort to advance cross-industry blockchain technologies, to which IBM has been a primary contributor. We will discuss the difference between permissioned and un-permissioned blockchain implementations, details of the Hyperledger fabric, and how the Hyperledger fabric was designed to support business. Finally, we will introduce blockchain use cases, touching on examples from the financial services sector, insurance, healthcare and others.

About the Speaker: Dr. Rebecca Gott is Senior Technical Staff Member at IBM in Poughkeepsie working in z Systems and LinuxONE. Dr. Gott received her Ph.D. in Electrical Engineering from Tulane University in 1995, where she developed signal processing techniques to process multi-beam sonar data. She then served in the United States Air Force where she worked in GPS development and test, rising to the level of U.S. Air Force Captain. She joined IBM in 1999 in the area of High Performance Computing, followed by working in pre-silicon verification for multiple ASIC chips, POWER programs, and has been the pre-silicon verification lead for the processor cache subsystem for the last five generations of z Systems. Currently, Dr. Gott is an architect for LinuxONE data serving, focusing on bringing new capabilities and workloads such as blockchain to the platform. Dr. Gott has also served as an Adjunct Faculty member at SUNY New Paltz, teaching a graduate level course entitled "Introduction to Genomics Science and Technology" that explains the information system paradigm in molecular biology and genomics.

Cost: Our meeting is **Free** and open to the public

Dinner: 6:00 pm, Palace Diner, 845.473.1576
Map and menu: www.thepalacediner.com
All are welcome to join us for dinner.

We thank Marist College for hosting the chapter's meetings.
Refreshments are served after the meeting.
For further information, email collier@acm.org or call 845.522.1971.

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