

March 2018

Rock River Valley Section

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Event

Sense

The Institute of Electrical and Electronic Engineers, Inc.

IEEE RRV Section, Computer & Controls Chapter Meeting

SERVING IEEE MEMBERS OF NORTH CENTRAL ILLINOIS AND SOUTH CENTRAL WISCONSIN

**WHEN** Thursday, March 29, 2018

**WHERE**

Rock Valley College  
Woodward Technology Center  
Room: WTC1322  
3301 North Mulford Road  
Rockford, IL 61114



**AGENDA**

6:00 PM Networking  
6:30 PM Dinner  
7:15 PM Presentation

## Data Science – An introduction to Methods and Applications

**Vasu Raghavan**

Deere & Co.,

In this information age, data are ubiquitous and they tell stories which are not always obvious. Data are generated by every conceivable source such as vehicles, farm equipment, and web searches to name a few. In fact, almost every activity we do generates data. There is a wealth of information hidden in these data that can be mined to reap benefits. The marriage of Mathematics, Statistics, Computer science, and technology has made this possible and led to development of Data Science. In this, talk we will get an introduction to various concepts and algorithms that are used in deriving information from data. A few areas of applications of Data Science will also be introduced. We will be exposed to concepts such as regression, clustering, classifications, and text analytics.

Vasu Raghavan is a mathematician, a computer scientist, and a data scientist. He has a Master's degree in Mathematics, a Master's degree in Computer Science, both from reputed universities in India, and a Master's degree in Predictive Analytics from Northwestern University, Evanston, Illinois. He has over thirty five years of experience in applied software research and more than five years of experience in data Science. He started his career as a developer of operating systems for one of India's indigenous computer manufacturers. Then he participated in India's effort to modernizing telecommunication network. He designed and developed software for implementing wide area data communication at Center for Development of Advanced Computing (formerly called Electronic Research and Development Center, Trivandrum, India). He also developed software for Digital Signal Processing. His current assignments include developing predictive models for business and engineering problems at Deere & Co. Moline, IL.

**MEAL INFORMATION**

Dinner entrée will feature your choice of Vegetarian or Non-Vegetarian meals.

Members & Student Members: FREE,  
Non-members: \$10,  
Student non-members: \$5  
Presentation only: FREE

Please register online at

<https://events.vtools.ieee.org/m/169742>

or by emailing Diane Sennebogen at [diane.brock@utas.utc.com](mailto:diane.brock@utas.utc.com) by Thursday, Mar 29 at 1 pm. Please include the following: name, phone number, email address, and IEEE member number. The meeting is open to the general public.

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## IEEE Rock River Valley Section 2018 Calendar of Events

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January 22: IEEE Chicago/Rockford Consultants' Network Meeting

January 25: RRVS Section Meeting

February 22: RRVS Section Meeting, Engineer's Week

February 24: [Discover Engineering at Discovery Center Museum](#)

March 29: RRVS Section Meeting

April 20 NIU Student Branch Networking Social at Northern Illinois University

April 26: RRVS Section Meeting,

May 24: RRVS Section Meeting

June 12: EMC Seminar.

June 28: RRVS Section Meeting, Annual Picnic and Officer Elections at Hamilton Sundstrand Park

August 30: RRVS Section Meeting

September 27: RRVS Section Meeting

October 5: IEEE Day Banquet

October 25: RRVS Section Meeting

November 15: RRVS Section Meeting at NIU

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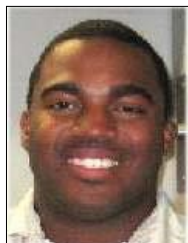
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evasquez@ieee.org



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B.parro@ieee.org



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**Rock River Valley Section Chapters**

Industry Applications Society Chapter  
*Established 1992*

Joint Computer/Control Systems Society Chapter  
*Established 1995*

Power Electronics Society Chapter  
*Established 1996*

Electromagnetic Compatibility Society Chapter  
*Established 2007*

*The Rock River Valley Section gratefully acknowledges the following companies and colleges for supporting Section Officers:*

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