

# IEEE BDA Webinar Series: Big Data & Analytics for Power Systems

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## Big Data, Enterprise Data Management and IT/OT Convergence

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2pm-3pm, Thursday, EST, Jan 11  
(1pm-2pm, CST) (12pm-1pm, MST) (11am-12pm, PST)

**Abstract:** In the past, Information Technology (IT) and Operational Technology (OT) systems were kept fairly separate. IT was traditionally associated with back-office systems including accounting, billing, HR records, and customer data. OT was traditionally associated with field devices and the systems to monitor and control them such as Supervisory Control and Data Acquisition (SCADA) and distribution management systems (DMS). These technologies were developed in silos because they were managed by separate departments that had different objectives. However, with technological advancements over the years, convergence of IT and OT has been taking place and there are quantifiable benefits to utility companies as well as customers.

**Bio:** John D. McDonald, P.E., is Smart Grid Business Development Leader for GE Grid Solutions. John has 43 years of experience in the electric utility transmission and distribution industry. John received his B.S.E.E. and M.S.E.E. (Power Engineering) degrees from Purdue University, and an M.B.A. (Finance) degree from the University of California -Berkeley. John is a Life Fellow of IEEE, and was awarded the IEEE Millennium Medal, the IEEE Power & Energy Society (PES) Excellence in Power Distribution Engineering Award, the IEEE PES Substations Committee Distinguished Service Award, and the IEEE PES Meritorious Service Award. John is Past President of the IEEE PES, the Past Chair of the IEEE PES Substations Committee, and the IEEE Division VII Past Director. John was on the Board of Governors of the IEEE -SA. John teaches Smart Grid courses for various IEEE PES local chapters as an IEEE PES Distinguished Lecturer.

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