講習会開催のご案内

University of Cincinnati を中核とする Intelligent Maintenance Systems (IMS)の代表である，Jay Lee 教授をお招きし，下記内容の特別講演を開催致します．IoT，M2M，Industry4.0，PSS（製品サービスシステム）などに関する米国の最新動向を知る極めて貴重な機会です．また，今回は Jay Lee 氏自らがその立ち上げに関わっている IoT 関連ベンチャー企業であり、先日、電通国際情報サービスとの業務提携が発表されました米 Predictronics 社の狙い、今後の事業計画についても情報提供して頂きます。

http://www.nikkei.com/article/DGXNASFK31030_R30C14A1000000/

・題目： 「US における PSS 研究開発のトレンドと Predictronics」
・講師： Professor Jay Lee, NSF I/UCRC Center for Intelligent Maintenance Systems (IMS), University of Cincinnati, USA
・日時：2015 年 3 月 30 日（月）15:30-17:00
・場所：首都大学東京　日野キャンパス　２号館　２階 A 講義室
・参加費：無料（事前申込みは不要です）
・言語：英語

【講演概要】
In today's competitive business environment, companies are facing challenges in dealing with big data issues for rapid decision making for improved productivity. Many manufacturing systems are not ready to manage big data due to the lack of smart analytics tools. Germany is leading a transformation toward 4th Generation Industrial Revolution (Industry 4.0) based on Cyber-Physical System (CPS)-enabled manufacturing and service innovation. As more software and embedded intelligence are integrated in industrial products and systems, predictive technologies can further intertwine intelligent algorithms with electronics and tetherfree intelligence to predict product performance degradation and autonomously manage and optimize product service needs. The presentation will address the trends of industrial transformation in big data environment as well as the readiness of smart predictive informatics tools to manage big data to achieve transparency and productivity. First, industry transformation including Germany Industry 4.0 and cyber-physical system will be introduced. Second, advanced prognostics technologies for smart product service systems with case studies will be presented. In addition, research advances in designing cyber-physical model for smart product service systems with many case studies will be

discussed. Finally, dominant innovation methodology for service innovation will be discussed.

【講師略歴】

Dr. Jay Lee is Ohio Eminent Scholar, L.W. Scott Alter Chair Professor, and Distinguished Univ. Professor at the Univ. of Cincinnati and is founding director of National Science Foundation (NSF) Industry/University Cooperative Research Center (I/UCRC) on Intelligent Maintenance Systems (IMS www.imscenter.net) which is a multi-campus NSF Industry/University Cooperative Research Center which consists of the Univ. of Cincinnati (lead institution), the Univ. of Michigan, Missouri Univ. of S&T, and the Univ. of Texas- Austin. Since its inception in 2001, the Center has been supported by over 80 global companies in 15 countries. His current research focuses on Prognostics and Health Management (PHM), Industrial Big Data Informatics, Cyber-Physical Systems (CPS) & industry4.0 Systems in Manufacturing, as well as Dominant Innovation for Product Service Systems.