

Industrial Engineering Grad Seminar 056:191
CCAD Graduate Engineering Seminar Series
“Research Trends in Healthcare Informatics”

Presented by

Dr. Suresh Choubey
Chief Scientist and Manager
Informatics Group, GE Healthcare

Abstract: The healthcare industry has seen multi fold increase in both imaging and non-imaging data including clinical tests, acquired from diagnostic imaging equipments and location devices on patients and functioning of medical devices. The delivery of healthcare is also going through transition as we move from reactive to proactive medicine and from centralized system to distributed system including home healthcare. We at GE Healthcare believe that high value applications need to be created using this data and the information technology to provide quality healthcare with reduced cost and increased access to ALL the population globally. This requires solving local healthcare problems in developed as well as under developed populations with innovative and integrated approaches. The talk will cover the problems in this domain, our approach to solutions and the challenges we face. If time permits, other active areas of research at GE Healthcare Applied Science Lab - Informatics will also be covered.

Headquartered in the United Kingdom, GE Healthcare is a \$17+ billion unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employs more than 46,000 people committed to serving healthcare professionals and their patients in more than 100 countries. GE Healthcare is a global leader in diagnostic and interventional medical imaging, information, and services technology and provides transformational medical technologies and services that are shaping a new age of patient care.

BIO: Suresh Choubey received his Ph.D. in Computer Science from University of Louisiana at Lafayette in image databases. He started with General Electric Healthcare in 1997 after 14 years of distinct career in academia and industry in research, teaching and engineering roles. He is currently Chief Scientist and Manager of Informatics group and holds multiple patents in the areas of machine and patient early health, service delivery and asset intelligence. He has authored/co-authored several journal (Pattern Recognition Letters, JASIS, IIE) and conference papers. His contributions at GE include numerous MR service applications, protocol transfer, computer-aided diagnosis of knee disease, eFlextrial, machine early health, patient early health, service dispatch prediction, home healthcare and asset intelligence. He has been awarded several times with Management Awards for his contribution to the healthcare business. He has managed research projects with academic institutions such as UW-Madison and University of Louisiana at Lafayette. Dr. Choubey is MBB certified and has contributed significantly towards Lean Six Sigma initiatives by coaching, teaching and mentoring several MBBs, BBs and GBs. Dr. Choubey is an active member of the Milwaukee Chapter of GE Elfuns/GE Volunteers.

Thursday, November 5th
4:30-5:20 pm
3321 Seamans Center

This seminar is sponsored by the Center for Computer Aided Design (CCAD)

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you have a disability that requires an accommodation in order to participate in this program, please call the department secretary in advance, at 335-5668.