

Seminar Series

Health Analytics and Big Data in the 21st Century

**Wednesday – November 5th
11:35 am – Imhoff Study Center – Bell 4008**



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The United States (US) spent nearly \$2.8 trillion in healthcare expenditures (2012) with spending representative of over 17 percent of its gross domestic product (GDP). Historical trends in reimbursement models primarily dominated by “fee-for-service (FFS)” structure has created a profit-driven healthcare system in which direct delivery of healthcare has been positively reinforced by sicker patients remaining “sick” than in a wellness standard of care. A previous population fallacy supported by supplier-induced demand suggested that more access is better care. This myth would slowly be unraveled partly due to infamous longitudinal studies (Dartmouth University: Atlas of Healthcare) that drove policy decisions regarding the Affordable Care Act (2010). However, the variance in service is also complemented by the variance in pricing relative to disconnected buyers (patients), those who also pay for it (employers) and the payer agreed contractual negotiations for which services are directly paid (third-party insurance).

The purpose of this lecture is to address three key areas: (1) Why should engineering and business students care about healthcare and health reform? (2) Why is the current climate in healthcare ideal for entrepreneurs and how is behavioral health and “big data” related? (3) What should I be reading and why?

Dr. Schmidt received his PhD from the University of South Carolina (USC), Arnold School of Public Health, Health Services Policy and Management (HSPM) and currently teaches healthcare administration (HCAD) and business at Valdosta State University (GA).

Major Schmidt has more than 19 years associated with the Department of Defense (DOD) military and Veteran Affairs (VA) healthcare systems in which he was assigned to various roles in healthcare logistics, supply chain management (SCM), group practice management and healthcare contracting. He continues to serve as the Chief Healthcare Administrator (SGA) within the 476th Aeromedical Flight (AMDF) at Moody Air Force Base (AFB), Georgia (GA).

Dr. Schmidt is a certified Materials and Resource Professional (CMRP) as recognized by the American Hospital Association (AHA) and the Association for Healthcare Resource and Materials Management (AHRMM) and is currently being considered for Fellowship status (FAHRMM). He was handpicked to serve on AHRMM’s Academic Council for Healthcare Supply Chain Research.

Dr. Schmidt has been appointed on numerous peer-reviewed (PRJ) journals both within the U.S. and abroad as both an editorial board member and as a PRJ reviewer.

Most recently, Dr. Schmidt completed his Post Doctorate training with the Massachusetts Institute of Technology (MIT) in the areas of Operations, Logistics and Supply Chain Management (SCM). Additionally, he has been selected to complete Post Doctorate training at the University of Florida Warrington College of Business Administration in the areas of International Business/Entrepreneurship (emphasis in finance) to be completed by Summer 2015.

Dr. Schmidt’s research interests are multifaceted to include the following: health policy, health integration, healthcare analytics, healthcare logistics and SCM, healthcare cost containment/access, demography and gerontology.