biomedical and health informatics

# Biomedical and Health Informatics Lecture Series

**Tuesday, May 20, 2008**
**12:00 - 12:50 p.m., Room RR-134**


## Eric Rasmussen, MD, MDM, FACP
CEO, InSTEDD

## Eduardo Jezierski, MSc
Director of Engineering, InSTEDD


## *"Information Flow and Collective Action in the Deep Field: InSTEDD within the Mekong Delta"*


Software tools for international networking have revolutionized political action and citizen journalism. Internet and cell-based communication allow visibility into even the most repressive of regimes and encourage like minds toward collective action. InSTEDD capitalizes on such capabilities for outbreak detection and epidemiologic response using GSM-SMS, hybrid statistical analyses, professional crowdsourcing (think ProMED), and geospatial systems. The staff from InSTEDD will discuss the development of methods for disease surveillance, collaboration and collective action within remote regions of southeast Asia.


---

Eric Rasmussen is the CEO of InSTEDD, a non profit founded by Google and supported by multiple institutions, including the Rockefeller Foundation. Dr. Rasmussen received his undergraduate and medical degrees from Stanford University and his Master's in Disaster Medicine from UN-OCHA and CEMEC in Geneva. He retired from the US Navy as Chairman of the Department of Medicine for the Navy Medical Center at Bremerton near Seattle and serves as the Special Advisor for Humanitarian Informatics for the US Office of the Secretary of Defense. He holds multiple academic appointments, is a Principal Investigator for DARPA and the National Science Foundation, and has led multiple humanitarian response teams including in New Orleans for Katrina, and in Banda Aceh, Iraq, Zambia, Afghanistan, Uganda, and Bosnia.

Eduardo Jezierski, MSc, is director of Engineering at InSTEDD. He has spent his career designing, implementing, and deploying software solutions on a global scale. He originally received an MSc in Informatics after initial work in nuclear engineering, and later worked in Argentina in the areas of GIS analysis, machine learning, and modeling for anthropology challenges. His Master's thesis was on robotics control, genetic algorithms and neural networks. He spent nine years at Microsoft, much of it working directly with the staff of the Chief Software Architect. He contributed to defining strategy in the domain of mesh architectures, real-time communications and immersive web environments for long-tail retail. Several of these prototypes were designed, written, and validated in the field in collaboration with Microsoft's Humanitarian Systems Group.