"Intelligent and Integrative Systems for Critical Care and Trauma-mediated Illness"

Abstract: The Computational Medicine and Informatics for Neurological Health (COM-IN) Collaboratory at the University of Arizona is focused on developing and evaluating engineering-driven and computational methods and frameworks for better understanding neurological illness. Our current patient populations of interest include severe traumatic brain injury and mental health disorders. Using a clinical case study approach, this talk will feature ongoing efforts in the COM-IN Collaboratory that involve applied machine learning techniques for critical care medicine, teleICU applications, and frameworks for characterizing trauma-mediated mental illness. These projects, together, will ultimately result in disease-specific knowledge discovery and intelligent systems for clinical practice and research in neurotrauma. The learning outcomes of this activity are (1) to understand the challenges in management and prognosis of critically-ill trauma patients, (2) to comprehend the role of the digital health in neurocritical care, and (3) to describe conceptual frameworks that aid integrative research in mental health.

Host: Dr. Art Gmitro (gmitro@email.arizona.edu)

Please join us on

Monday, April 30th, 2018  2:00-2:50 pm, Keating 103
Refreshments will be available at 1:45 pm

Persons with a disability may request a reasonable accommodation by contacting the Disability Resource Center at 621-3268 (V/TTY).