

Govindan, Rahinaswamy

Dr. Govindan is director of the Advanced Physiological Signals Processing Lab (APSPL) in the Division of Fetal and Transitional Medicine at Children's National Health System, Washington, DC. He is also an Associate Professor at the George Washington University School of Medicine and Health Sciences' Department of Pediatrics, Washington, DC. The mission of APSPL is to identify antecedents for brain injury through patterns in physiological signals, develop non-invasive tools to measure these patterns in all children, and to translate experimental discoveries to the clinical setting for the benefit of the human fetus and newborn. Dr. Govindan is working on developing computational tools to acquire physiological signals from bedside monitors; develop analysis approaches for quality control of physiological signals acquired at bedside, and a smart monitoring system for real-time characterization of physiological signals at the bedside of critically-ill infants. His work is conducted under the mentorship of Dr. Adre du Plessis, Division Chief of Fetal and Transitional Medicine at Children's National.

Dr. Govindan collaborates with neonatologists and pediatric neurologists on developing physiological biomarkers of brain injury. He has published 70+ research articles in peer-review journals and 30+ research articles in conference proceedings. He communicates his research findings in international conferences and serves on the Review Editorial Board of *Frontiers in Fractal Physiology*, as well as an ad-hoc reviewer for 10+ journals.