

IU Calendar

Event Information		SOIC Master Calendar IUB
Title:	Data-Science: Daniel H. Robertson, PhD, Director, Center for Applied Data Sciences, Indiana Biosciences Research Institute	
Sharing:	Public	
Start Time:	Friday, January 11, 2019 10:00 AM	
End Time:	Friday, January 11, 2019 11:00 AM	
Contact:	Haixu Tang	
Url:	https://www.indybigdata.com/daniel-h-robertson/	
Free/Busy:	busy	

Data Science Invited Talk Series

Speaker: Daniel H. Robertson, PhD, Director, Center for Applied Data Sciences, Indiana Biosciences Research Institute

When: Friday, January 11, 2019, 10:00 am

Where: Luddy 1106 (Dorsey Learning Hall)

Title: “Driving innovation between academic and industrial organizations showcasing the toxicogenomics collaboration.”

Description:

Abstract: IBRI is a new applied research institute in Indiana that was created to bridge the gap between academic and industrial organizations. The Center for Applied Data Sciences is one of the core centers of the institute with a focus on data access, data cleaning and integration, and novel analytics to attack challenging life sciences problems. This talk will provide a brief overview of the IBRI, 16-Tech (the future home of the IBRI), the Center for Applied Data Sciences and its collaborations. A specific case study, the Collaborative Toxicogenomics Platform will be reviewed in more depth. This collaboration is developing a shared platform to deliver harmonized analysis methods to identify and quantify potential compound toxicity from transcriptomic data. The scientific goals of this collaboration are to expose current industrial experience and decision-making tools, enable multiple standard technologies to be run consistently, and to move to an evidenced-based biological understanding of transcriptomic data. The platform will provide a shared collaborative platform for multiple users, leverage open-source tools and methodologies, and ultimately placed in the public domain for community-based future improvements.

Biography: Daniel H. Robertson, a proven and experienced technical leader in information technology (IT), computational science and research, is focused on defining and developing the IBRI’s computational analytics, digital, and data science capabilities. Dr. Robertson originally joined the IBRI in mid-2015 as part of a loaned executive program at Eli Lilly and Company, but in mid-2017 he accepted a permanent position at the IBRI to drive innovative research among multiple life sciences companies, academic institutions, and technology companies to advance solutions to critical problems.

His most recent role at Eli Lilly and Company was Senior Director of Research IT where he led the IT team supporting discovery systems and processes across six global research sites and nine functional/therapeutic areas. In 2000, he joined Lilly as a research scientist in Lilly Research Laboratories and performed numerous independent contributor and scientific leadership roles before transitioning to the IT organization in 2010. Prior to joining Lilly, he held multiple positions at IUPUI from 1993 through 2000, including Associate

	<p>Scientist and Director of Technical and Administrative Services and Manager of the Facility for Computational Molecular Science, and as Lead Developer of VR.</p> <p>Dr. Robertson earned his PhD in physical chemistry from Florida State University and his Bachelor of Science degree in chemistry, graduating Summa Cum Laude, from Florida Southern College. After earning his PhD., Dr. Robertson served as an NRC/NRL Postdoctoral Research Associate at the Naval Research Laboratory in Washington, D.C., Dr. Robertson has published 67 papers in refereed journals, authored three invited book chapters, and conducted more than 80 professional/technical presentations. He has been honored with multiple awards from Eli Lilly and Company and IUPUI, and he is a member of the American Chemical Society, American Physical Society and physics and mathematics honoraries.</p> <p>Poster</p>
Reminder:	The reminder for this event will be sent by email 2 weeks before it occurs.
Contact Email:	hatang@indiana.edu