



# BIOINFORMATICS SEMINAR

## Rudolf Eigenmann

*Professor of Electrical and Computer Engineering*

UNIVERSITY OF DELAWARE

### Pushing Science Frontiers through Computational and Data-enabled Research

Computational and data-enabled (CDI) research has become a key enabler to push science frontiers in nearly all disciplines. There is growing evidence that CDI methods lead to high-impact research and universities investing in high-performance computing increase in ranking. It has been said that the supercomputer is the "scientific instrument of the 21st Century," and the US National Strategic Computing Initiative calls HPC an economic weapon. The talk will examine these claims, describe investments made by the US National Science Foundation in support of CDI research, and explore how UD could take advantage.

### BIOGRAPHY

Rudolf (Rudi) Eigenmann came to the University of Delaware in 2017 from Purdue University, where he was a Professor in the School of Electrical and Computer Engineering. From 2013-2017, he has also served as Program Director in the National Science Foundation's Office of Advanced Cyberinfrastructure. His core research interests include optimizing compilers, programming methodologies, tools, and performance evaluation for high-performance computing, as well as the design of cyberinfrastructure. Dr. Eigenmann received his Ph.D. in Electrical Engineering/Computer Science from ETH Zurich, Switzerland.

**CBCB  
SEMINAR  
10/01/2018**

**3:30 PM  
DELAWARE  
BIOTECHNOLOGY  
INSTITUTE**

[bioinformatics.udel.edu](http://bioinformatics.udel.edu)



**College of  
Engineering**

CENTER FOR BIOINFORMATICS &  
COMPUTATIONAL BIOLOGY