

Einladung

zum

ZHR - Kolloquium

Titel: Computational biology: strategies and challenges

Referent: Dr. Craig Stewart
Director of Research of Academic Computing, Indiana
University

Abstract:

The sequencing of the human genome was hailed as a tremendous achievement for science, and rightly so. Yet it was more a beginning than an end, as it provided only a piece of the raw materials needed to understand biological systems in a thorough and predictive fashion. In this talk I will describe some of the challenges we have faced at IU in working with biomedical researchers to employ high performance computing and data storage systems. In particular, some of the successes in large scale computation and large scale data management problems will be described. As well, an overview of some of the grand challenge problems facing computational biology and bioinformatics will be described, including opportunities in systems biology and the role grids may play in the application of computational techniques to biological and biomedical problems.

Dr. Craig Stewart is Director of Research and Academic Computing at Indiana University, and Director of the Information Technology Core of the Indiana Genomics Initiative. Dr. Stewart is a biologist by training, and has worked in scientific and high performance computing for more than a decade and a half. His personal research interests include HPC architectures and computational phylogenetics.

Ort: Willers-Bau C207
Zeit: Freitag, den 20. Juni 2003, 10.00 Uhr

gez. Prof. Dr. W.E. Nagel

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