

Department of

Computer Science

Graduate Studies 2011-2012

and beyond!

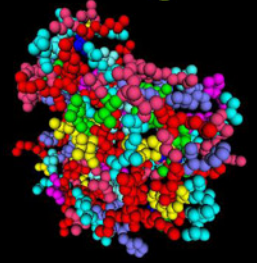


Let c , α , and β be positive constants with $\alpha + \beta < 1$. Let

$$T(n) \leq c \quad \text{if } n < \max\{\alpha^{-1}, \beta^{-1}\}$$

$$T(n) \leq cn + T(\lfloor \alpha n \rfloor) + T(\lfloor \beta n \rfloor) \quad \text{otherwise.}$$

$$\text{Then } T(n) \leq cn / (1 - \alpha - \beta).$$



Major Departmental Research Areas:

Bioinformatics and Computational Biology
 Computational Science and Engineering
 Database and Data Mining
 Distributed Systems
 Graphics and Visualization
 Information Retrieval and Machine Learning
 Information Security and Privacy
 Networking and Operating Systems
 Programming Languages and Compilers
 Software Engineering
 Theory of Computing and Algorithms

Our faculty play a leading role in many multidisciplinary efforts:

Center for Education and Research in Information Assurance and Security (CERIAS)
 Eugene Spafford, Executive Director

Center for Science Information
 Wojciech Szpankowski, Director

Combinatorial Scientific Computing and Petascale Simulations (CSCAPES)
 Alex Pothen, Director

Cyber Center
 Elisa Bertino, Interim Director

Indiana Center for Database Systems
 Ahmed Elmagarmid, Founding Director
 Chris Clifton, Director

Graduate Faculty:

26 Full Professors
 13 Associate Professors
 9 Assistant Professors

Graduate Students:

254 Graduate Students
 15 PhD degrees awarded (2010-11)
 117 Research Assistants
 44 Teaching Assistants
 19 Fellows

www.cs.purdue.edu



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It's Happening Here!

Emerging Research Areas:

Biological Databases
Data Mining
Embedded Systems

Information Retrieval
Information Visualization
Multi-Core Architectures

Online Privacy
Sensor Networks

Contact Us:

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I deeply appreciate the opportunity to learn from my professors and fellow students, to celebrate the diversity in the department, and to enjoy doing research with support and inspirations.
-Yinian Qi, PhD Recipient (2011)



My time at Purdue Computer Science was one of great intellectual and emotional growth.
-Nwokedia Idika, PhD Recipient 2010



The team of faculty and researchers at Purdue CS provides a top-level academic environment that has offered me the necessary background and perspective to propose and solve new challenging research problems in Computer Science and its applications to other disciplines, and to progressively join the research community in my area of specialization.
- Carlos A. Vanegas, PhD Student



The Purdue CS department has offered me unmatched opportunities to work and interact with leading researchers working on hot topics in the different areas of computer science. Purdue has always pioneered linking research with real industrial needs offering its student a competing edge in the job market and endless chances for funding and internships.
*-Samer Barakat, PhD Student
Intel Fellowship Recipient*