

Swami Iyer

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RESEARCH INTERESTS Dynamical systems, complex networks, and evolutionary game theory.

OTHER INTERESTS Theoretical physics.

EDUCATION University of Massachusetts at Boston, USA

PhD, Computer Science (expected graduation date: June 2011)
Advisor: Prof. Timothy Killingback

MS, Computer Science, June 2001

VESIT, Bombay, India

BS, Electronics and Telecommunication, June 1996

AWARDS University of Massachusetts at Boston
Student Leadership Award, 2007

TEACHING EXPERIENCE Computer Science Department, University of Massachusetts at Boston

CS115L: Introduction to Java Part II

CS210: Intermediate Computing with Data Structures

PUBLICATIONS *Papers*

Gazda, Stefanie. and Iyer, Swami. and Killingback, Timothy. and Connor, Richard. and Brault, Solange. *Network analysis by activity reveals community overlap and differences in centrality of individuals in Bottlenose Dolphins (Tursiops truncatus) in Cedar Key, Florida*. Poster presentation at the 19th Biennial Conference of the Biology of Marine Mammals, Tampla, Florida, 2011.

Ciarfella, Christina. and Gazda, Stefanie. and Iyer, Swami. and Brault, Solange. and Killingback, Timothy. *Residency patterns and social structure of bottlenose dolphins*. Poster presentation at the University of Massachusetts at Boston, 2010.

Iyer, Swami. and Simovici, Dan. A. *Structural Classification of XML Documents Using Multisets*. International Journal on Artificial Intelligence Tools, 17(5):1003–1022, 2008.

Iyer, Swami. and Simovici, Dan. A. *Multisets and Clustering XML Documents*. Proceedings of the 19th international conference on tools with artificial intelligence (ICTAI), Studies in Computational Intelligence, pages 267-274. Patras, Greece, 2007. IEEE, Springer-Verlag, Berlin.

Books

Campbell, Bill. and Iyer, Swami. and Akbal-Delibas, Bahar. *An Introduction to Compiler Construction in a Java World*. To be published by CRC Press in June 2012.

WORK
EXPERIENCE

2006-present: Working as the webmaster for the Computer Science Department at the University of Massachusetts at Boston.

2001-2006: Worked as a software developer for BMC Software.

1996-1998: Worked as a software developer for Tata Interactive Systems.

AFFILIATIONS

Free Software Foundation