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EDUCATION

Jun. 2008 – Present	Ph.D. Program in Computer Science Massachusetts Institute of Technology, Cambridge, MA	Advisor: Daniela Rus
Feb. 2004	Bachelor of Science in Physics Soongsil University, Seoul, Korea Thesis: <i>Scaling of Dynamic Surface Growth Model on Fractal Dimension</i>	Adviser: Jin Min Kim

PUBLICATION

Jun. 2010	E. Hawkes, B. An, N. Benbernou, H. Tanaka, S. Kim, E. Demaine, D. Rus, and R. Wood, <i>Programmable Matter by Folding</i> , Proceedings of the National Academy of Sciences
Oct. 2010	Byoungkwon An, and Daniela Rus, <i>Making Shapes from Modules by Magnification</i> , Proc. IEEE/RSJ International Conference on Intelligent Robots and Systems
May 2008	Byoungkwon An, <i>EM-Cube: Cube-Shaped, Self-Reconfigurable Robots Sliding on Structure Surfaces</i> , Proc. IEEE International Conference on Robotics and Automation
Nov. 2009	B. An, N. Benbernou, E. Demaine, and D. Rus, <i>Planning to Fold Multiple Objects from a Single Self-Folding Sheet</i> , Robotica (submitted)

EXPERIENCE

Jun.2008 - Present	Research Assistant, Distributed Robotics Lab., CSAIL, MIT Programmable Matter Chembots	Cambridge, MA
1987 -	Researcher, Dran Computer Science Lab. Dran Computer Science Lab. is my private lab since 1987. Cube-shaped Self-Reconfigurable Robots: EM-Cube Opened Field Effect Transistor Brain-Computer Interface System	Seoul, Korea
Oct. 2005 - Mar. 2006	Research Assistant, Nanophysics Lab., Korea University Atomic Force Microscope	Seoul, Korea
Mar. 2003 - Dec. 2003	Research Assistant, Theoretical Physics Lab., Soongsil University Scaling of Dynamic Surface Growth Model on Fractal Dimension by Edward-Wilkinson Equation	Seoul, Korea
Apr. 2001 - Feb. 2003	Manager, Div. of Technology Consulting, BashanNetwork Co. A Study on Testing Object-Oriented Programming Consultations in Software Engineering	Seoul, Korea
Apr. 1999 - Mar. 2001	Manager, R & D Lab., Webcast Inc Real-time Stock Information System Interactive Internet Broadcasting System	Seoul, Korea

TEACHING

May 2003 - Jun. 2003	Teaching Assistant, Soongsil University Lab Hours in Computational Physics	Seoul, Korea
May 2001 - Aug. 2001	Manager, Div. of Technology Consulting, BashanNetwork Co. Object Oriented Analysis and Design	Seoul, Korea
Apr. 2001	Teaching Assistant, Software Engineering Lab., Soongsil University Lab Hours in Embedded Software Design and Unified Process in Corporate Commissioned Class	Seoul, Korea

PATENT

Aug. 2006	Byoungkwon An, FET (Field Effect Transistor) Nerve Electronic Chip, 10-0765960, KR
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References available upon request