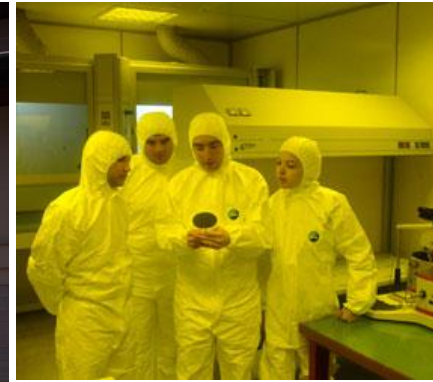
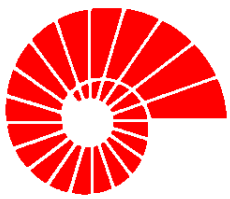


Welcome to KU Engineering

A. Murat Tekalp, Dean



- **Computer Engineering**
- **Electrical and Electronics Engineering**
- **Mechanical Engineering**
- **Industrial Engineering**
- **Chemical and Biological Engineering**



Research Centers and Labs

University Centers

Surface Sciences and Engineering Lab - KUYTAM (DPT)
KU-TÜPRAŞ Energy Research Center – KUTEM

Electrical and Electronics Engineering

Optical Microsystems Lab
Multimedia Vision and Graphics Lab
Next Generation Wireless Communications Lab
Wireless Vehicular Networks Lab
Nanophotonics Lab

Computer Engineering

KU-Microsoft Software Engineering Center
Next-Generation User Interfaces Lab
Artificial Intelligence Lab
Networked and Distributed Systems Lab

Mechanical Engineering

Manufacturing Automation Research Center
Robotics and Mechatronics Lab
Mechanical Characterization Lab
Micro Nano Fabrication Lab (Cleanroom)
Vibration and Acoustics Lab
Advanced Materials Lab
Composite Materials Manufacturing Lab
Biofluidics and Cardiovascular Mechanics Laboratory

Industrial Engineering

KU-IBM Supply Chain Research Center

Chemical and Biological Engineering

Supercritical Fluids and Energy Technologies Lab
Biomimetic Materials and Islet Cell Bioengineering Lab
Molecular Biochemistry Research Lab

Inter-disciplinary MS/PhD Programs

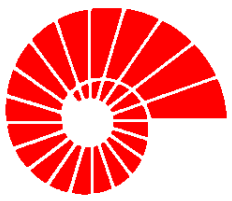
Bio-medical Sciences and Engineering

Computational Science and Engineering

Center for Computational Biology & Bioinformatics
Computational Systems Biology Lab (COSBI)
Computational and Quantitative Biology Lab (CQBL)
Nanomaterials, Energy and Molecular Modeling Group

Materials Science and Engineering

Optoelectronics and Photonics Engineering



Computer Science and Engineering

- **Attila Gürsoy, PhD Illinois, parallel comp, bioinformatics**
- **Serdar Taşıran, PhD Berkeley, verification, multi-core**
- **Metin Sezgin, PhD MIT, intelligent user interfaces**
- **Deniz Yüret, PhD MIT, AI, natural language**
- **Yücel Yemez, PhD Boğaziçi, multimedia, graphics**
- **Engin Erzin, PhD Bilkent, multimedia, speech**
- **Öznur Özkasap, PhD Ege, distributed sys., networks**
- **Alptekin Küpçü, PhD Brown, security, cryptography**
- **Emine Yılmaz, PhD Northeastern, info retrieval**



Koç University
College of Engineering

Serdar Taşiran
<http://msrc.ku.edu.tr>

Concurrent Software Verification
Energy Efficient Multi-Core Computing
Noise in Nano-Transistors and {SD}RAMs

Alper Demir (Electrical Eng)
<http://home.ku.edu.tr/~aldemir>

Collaborators

- UC Berkeley
- Microsoft Research
- Barcelona Supercomputing Center
- IST Austria

COMMUNICATIONS
OF THE
ACM TRUSTED INSIGHTS F

Home » Magazine Archive » 2010 » No. 11 » Goldilocks: A Race-Aware Java Runtime

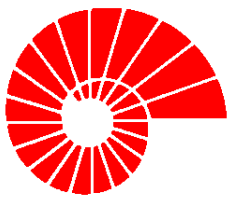
RESEARCH HIGHLIGHTS

Goldilocks: A Race-Aware Java Runtime

Tayfun Elmas, Shaz Qadeer, Serdar Tasiran

Koç-Microsoft
Research
Center for Multicore
Software
Engineering





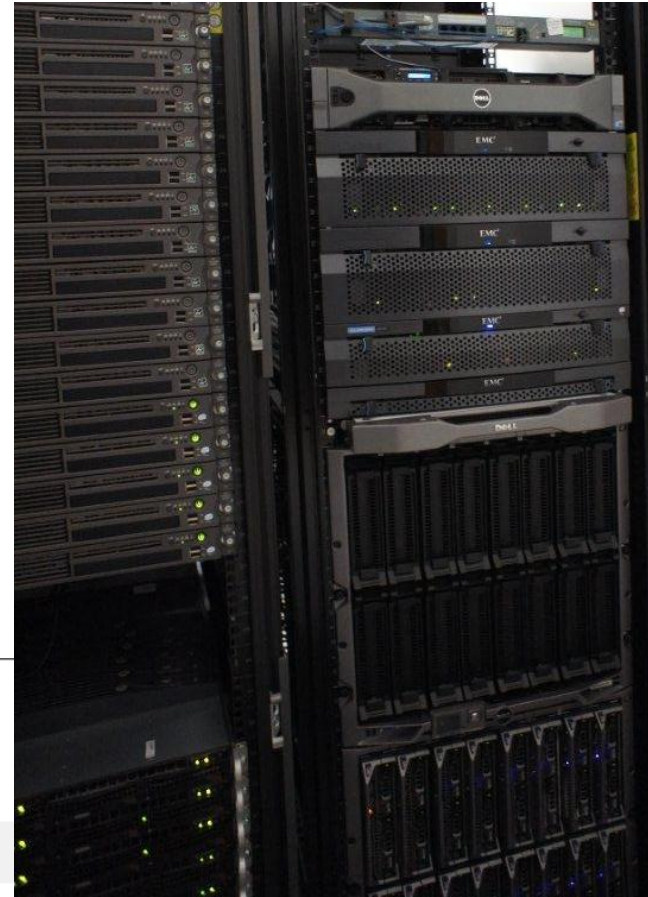
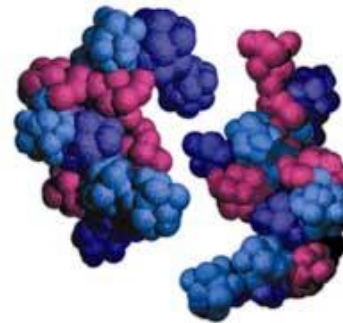
Center for Computational Biology and Bioinformatics



Prof. Özlem Keskin
Prof. Attila Gürsoy

Prof. Burak Erman

<http://prism.ccbb.ku.edu.tr>



SCIENCE WATCH

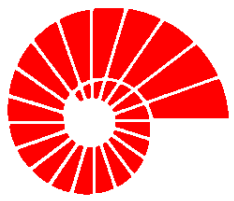
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2010 > December 2010 - Fast Breaking Papers > Attila Gürsoy & Ozlem Keskin Discuss Understanding Drug-Protein Interactions

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ATTILA GURSOY & OZLEM KESKIN DISCUSS UNDERSTANDING DRUG-PROTEIN INTERACTIONS

FAST BREAKING PAPER COMMENTARY, DECEMBER 2010

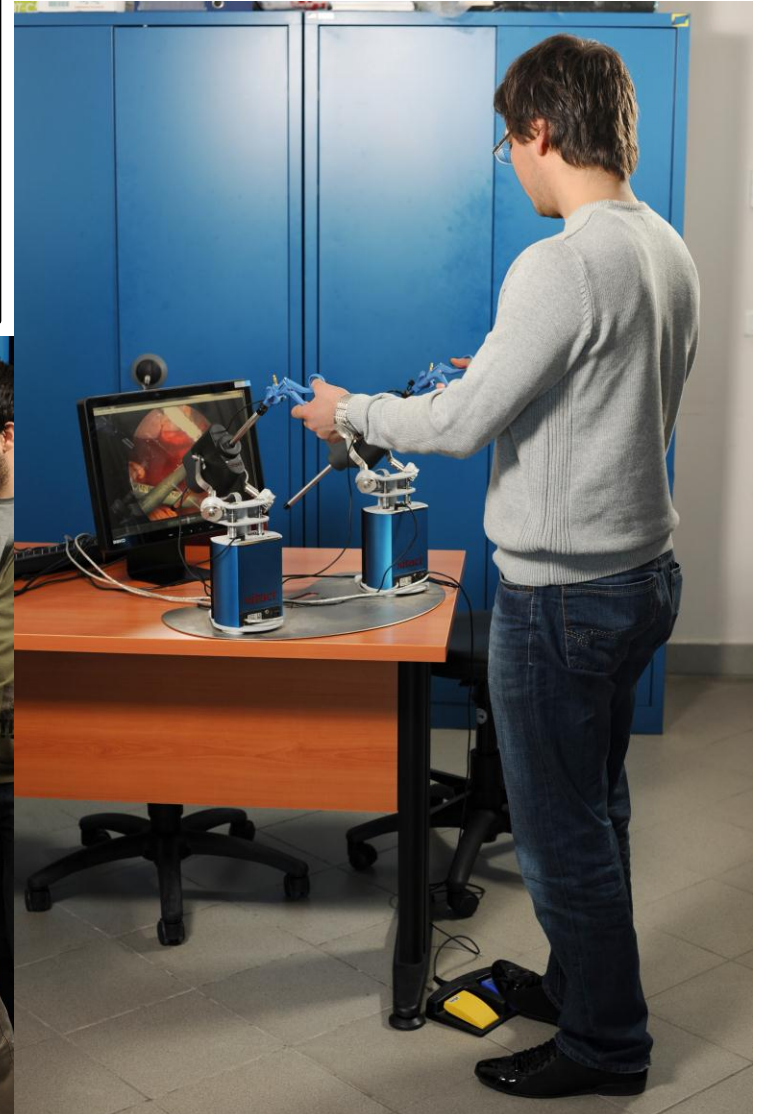
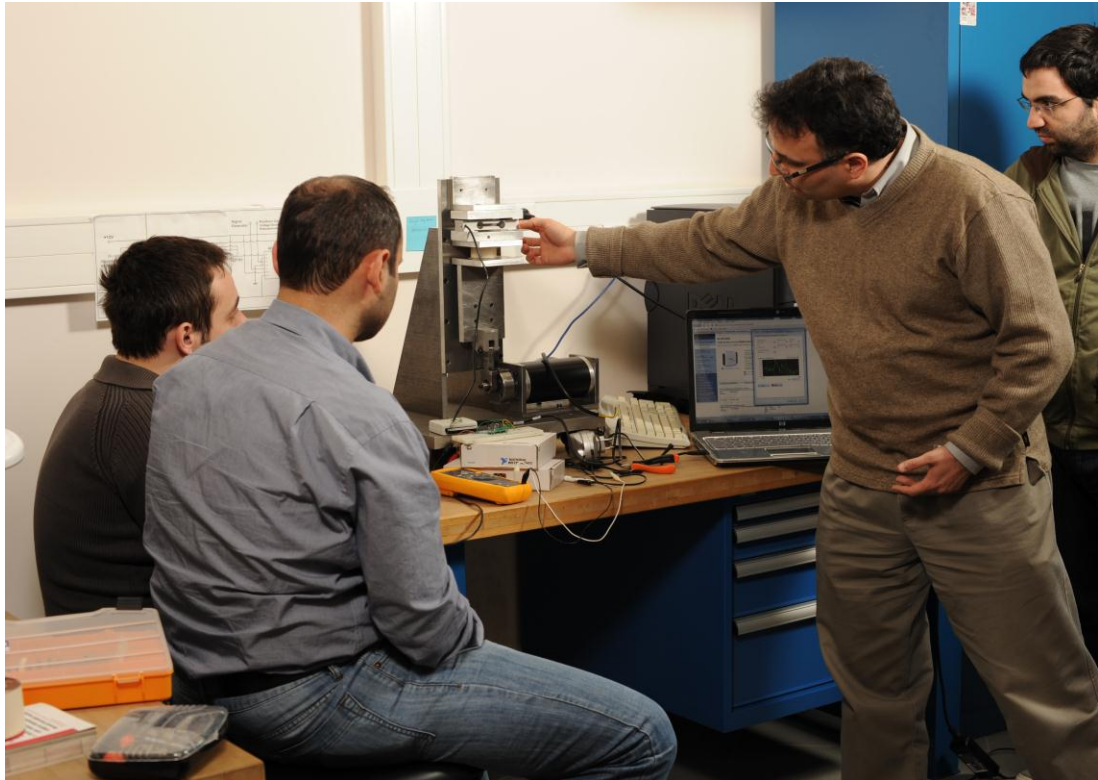


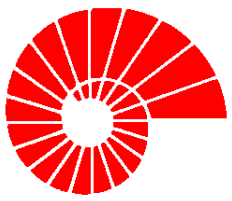
Robotics and Mechatronics Lab



- Haptics and mechatronics
- Virtual reality interfaces with haptic feedback
- Haptic tele-robotics

Prof. Cağatay Başdoğan





**Our graduates are
entrepreneurs**



Emre EROL

BS, Koç Üniversitesi, Computer Engineering, 2005

Gün Makinabakan

BS, Koç Üniversitesi, Computer Engineering, 2005

MS, Purdue, Electrical and Computer Engineering, 2007

Cahit Taşkın

BS, Koç Üniversitesi, Computer Engineering, 2005

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www.imobilecode.com



Koç Üniversitesi'nin yarattığı en büyük farklardan birisi mühendislik öğrencilerini sosyal konularda çok donanımlı eğitmesi. Bu vizyon sayesinde ben de dahil çoğu mezun meslektaşımın iş hayatında sadece teknik departmanlarda değil her alanda başarılı olduklarını görüyorum. Koç üniversitesi sadece teori öğreten bir okul olmakla kalmayıp öğrencilerine ders seçimlerinde okuduğu alanın dışında dersleri de almasına fırsat tanıdığı için kendimi şanslı ve ayrıcalıklı hissediyorum.



Selçuk Atlı

BS, Computer Engineering, 2006

MS, Information Technology, 2008

Rensselaer Polytechnic Institute, NY, USA

Bariş Can Daylık

BS, Computer Engineering, 2006

Deniz Oktar

BS, Computer Engineering, 2006

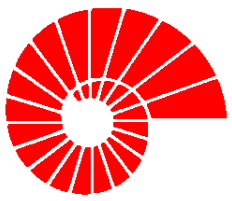


Founder and CEO, iletken Teknoloji

Founder and CEO, Socialwire

<http://www.iletken.com.tr/>

I had two great take-aways from my time at Koc University. Working on challenging problems in computer science with valuable professors like Dr. Tasiran and having a well rounded course load in business and marketing had a great impact in my graduate studies and career in software entrepreneurship.



**Our graduates attend
the best universities
worldwide for PhD**



Ceyhun Barış Akçay

**BS, Electrical and Electronics Engineering, 2011
PhD student, Electrical Engineering, Stanford
University, Stanford, CA (USA)**



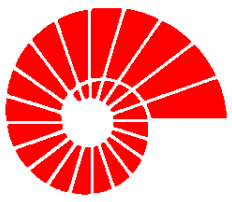
Erman Timurdoğan

**BS, Electrical and Electronics Engineering, 2010
PhD student, Massachusetts Institute of
Technology, Boston, MA (USA)**



Deniz Altınbüken

**BS, Computer Engineering, 2009
Ph.D. candidate in Computer Science at
Cornell University, Ithaca NY, USA**



**Our PhDs are employed
worldwide**



Tayfun Elmas

PhD, Computer Engineering, 2010

MS, Electrical and Computer Engineering, 2005

Received BS degree from Ege University in 2003 before coming to Koç University.

Current position:

Postdoctoral Research Associate, The Parallel Computing Laboratory, UC Berkeley, CA, USA

Advisors:

**Assist. Prof. Serdar Taşiran
and Dr. Shaz Qadeer,
Microsoft Research (MSR)**

Publications at Koç University:

Journal: 4

International Conference: 13

National Conference: 3

Koç University created from a passionate coder a world-class researcher. Prof. Serdar Taşiran was not only an advisor but also a life coach to me; his experience, understanding, and patience added considerably to my experience at Koç University. I must give immense gratitude to all faculty and staff for helping me in adapting intensive academic research.



Nurcan Tunçbağ

**PhD, Computational Science and Engineering,
2010**

**MS, Computational Science and Engineering,
2007**

Received BS degree from Istanbul Technical University before coming to Koç University

Current position:

**Postdoctoral Associate at Massachusetts
Institute of Technology, Boston, MA, USA**

Koc University Koc University was a milestone in my life where my dreams became reality. My works on computational biology under supervision of Prof Ozlem Keskin and Prof Attila Gursoy inspired my growth from being a student to being a researcher.

**Advisors: Prof Dr. Ozlem
Keskin and Prof Dr. Attila
Gursoy**

**Computational Systems Biology
Laboratory (COSBI)**

Publications at Koç University:

Journal Publications: 10

Inter. Conference Papers: 15



Thank you !!

<http://eng.ku.edu.tr>

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