Welcome to

SUNY Korea 2015 HOT–T–CS
Hot Topics in Computer Science

July 13 – 17, 2015
SUNY Korea, Songdo, Korea
Largest major in the College of Eng. and Applied Sciences

#8-ranked doctoral Computer Science program in the USA (National Research Council)

1,700 undergraduate and graduate students

53 tenure-track and non-tenure-track faculty members

8,000+ alumni working at Google, Apple, Yahoo, Bloomberg, Amazon, Dow Jones, IBM, Oracle, Reuters, and more
CORE RESEARCH AREAS

Artificial Intelligence
Machine Learning
Data Analytics and Visualization
Computer Graphics
Cyber Security
Computer Networks
Mobile Computing
Computer Systems
Computational Theory
Computer Vision
Natural Language Processing
SUNY Korea 2015 HOT-T-CS
Hot Topics in Computer Science

MEET THE TEAM

STONY BROOK UNIVERSITY

Pradipta De
Dimitris Samaras
Samir Das
Klaus Mueller
Research Assistant Professor at Stony Brook University
Assistant Professor of Computer Science at SUNY Korea
Directs the Mobile Systems and Solutions (MoSyS) Lab
Former Research Staff Member of IBM Research, India
Senior member of the IEEE

Over 50 papers in peer-reviewed conferences
20 patents related to mobile and cloud technologies
Associate Professor at Stony Brook University  
DIGITEO Chair in Ecole Centrale de Paris.  
Director of the Image Analysis Laboratory at Stony Brook

Research interests:  
study of illumination in images, deformable models, face recognition and expression analysis, categorical object recognition in human and computer vision, and statistical methods for the analysis of functional brain imaging data.

Over 100 articles in top Computer Vision, Graphics and Machine Learning venues with over 3,000 citations
DIMITRIS SAMARAS

MOBILE CLOUD COMPUTING

DEEP LEARNING IN COMPUTER VISION

SUNY KOREA 2015 HOT-T-CS
HOT TOPICS IN COMPUTER SCIENCE
Professor of Computer Science at Stony Brook University
Director of the Networking Technologies Division in CEWIT, the New York State Center of Excellence on Wireless and Information Technology

Research interests:
wireless networking and mobile computing, focusing on protocols, systems and performance evaluation.

Won the U.S. National Science Foundation’s CAREER award

Authored over 200 research articles with 36,000 citations
SAMIR DAS

MOBILE CLOUD COMPUTING

DEEP LEARNING IN COMPUTER VISION

RFID AND SENSOR NETWORKS (IoT)

SUNY KOREA 2015 HOT-T-CS
Hot Topics in Computer Science
Professor of Computer Science at Stony Brook University
Chair, Computer Science Department at SUNY Korea

Research interests:
are computer graphics, visual analytics, medical imaging,
and high-performance computing

Won the U.S. National Science Foundation’s CAREER award
and the SUNY Chancellor Award for Excellence in Creativity

Authored over 160 research articles with over 6,000 citations
Klaus Mueller

SUNY Korea 2015 HOT-T-CS
Hot Topics in Computer Science
Program
<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>10:30</td>
<td>Opening and Overview</td>
<td>(Samaras)</td>
<td>(De)</td>
<td>(Samaras)</td>
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<td>10:45</td>
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<td>Coffee Break</td>
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<tr>
<td>12:00</td>
<td>Overview Continued</td>
<td>Team Projects: Snapshot Presentations</td>
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<td></td>
<td>Awards Ceremony</td>
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<tr>
<td>13:30</td>
<td>Lunch</td>
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<td>Closing</td>
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<tr>
<td>15:00</td>
<td>Data Science: Introduction</td>
<td>Mobile Cloud Computing: Algorithms</td>
<td>Deep Learning: Modern Deep Architectures</td>
<td>Data Science: Applications</td>
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<tr>
<td>15:15</td>
<td>(Mueller)</td>
<td>(De)</td>
<td>(Samaras)</td>
<td>(Mueller)</td>
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<tr>
<td>18:30</td>
<td>Team Projects: R&amp;D</td>
<td>(Das)</td>
<td>(Mueller)</td>
<td>(Das)</td>
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<td>Recap</td>
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<td>19:00</td>
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30 min teaser talks by all speakers
- De
- Samaras
- Das
- Mueller

Suggestions for workshop projects
- follow them
- or suggest your own
- ideally combine two or more workshop themes for synergy

Teams
- teams of 2-3 students OK
- members must have clearly defined roles