



名古屋大学 博士課程教育リーディングプログラム 「実世界データ循環学」講演会のお知らせ

本プログラムの学外プログラム担当者である Microsoft Research Asia の松下康之氏らをお招きして講演会を開催しますので、学内外の皆様お誘い合わせのうえご来場をお待ちしております。

[演題] Introduction to Microsoft Research

[演者]

松下 康之 氏

Microsoft Research Asia,
Senior Researcher



荒瀬 由紀 氏

Microsoft Research Asia,
Associate Researcher



[日時] 平成 26 年 2 月 24 日 (月) 9:30 ~ 11:15

[場所]

名古屋大学 東山キャンパス (アクセス:<http://www.nagoya-u.ac.jp/access/>)

工学部 IB 電子情報館中棟 IB015 講義室 (地下鉄「西地区連絡出口」上ってすぐ)

(アクセス:http://www.nagoya-u.ac.jp/upload_images/campus%20map2013.pdf の C3(1))

[概要]

In this talk, we introduce Microsoft's fundamental research arm, Microsoft Research, where more than 1,100 scientists and engineers push the boundaries of computing in a wide spectrum of research disciplines. We also introduce internship stories, including what it is like doing an overseas internship, why an internship is a useful experience, and how to apply.

In the second half of the talk, we briefly introduce some of the recent research works.

1. High-fidelity 3D reconstruction via photometric approach (Computer Vision)

Recent years have shown tremendous advances on 3D reconstruction in computer vision and sensing technologies. However, most of these techniques are limited to estimate a coarse-scale shape that lacks fine-details of the surface. In this talk, we will discuss a photometric 3D reconstruction approach with which fine-details are faithfully recovered using shading cues in the form of surface normal. Specifically, I will talk about recent photometric stereo techniques that robustly and accurately recover surface normal of a scene that has diverse reflectance properties.

2. Machine Translation Detection from Monolingual Web-Text (Natural Language Processing)

Researchers have been mining Web-text for various applications, such as for knowledge-base construction and language modeling. However, burst instances of Web text are generated by machine translation indeed. Unfortunately, the quality of such machine translations is much lower than that of human-generated text. Applications built on such noisy data face serious quality issues. We propose a method for automatically identifying machine translations from Web-mined data. Unlike previous approaches, our method only uses monolingual text as input; therefore it is applicable for refining data produced by a variety of Web-mining activities.

[略歴]

Yasuyuki Matsushita received his B.S., M.S. and Ph.D. degrees in EECS from The University of Tokyo in 1998, 2000, and 2003, respectively. He joined Microsoft Research Asia in April 2003. He is a Senior Researcher in Visual Computing Group. His areas of research are physics-based computer vision and 3D computer vision. He is on the editorial board member of IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), International Journal of Computer Vision (IJCV), IPSJ Journal of Computer Vision and Applications (CVA), The Visual Computer Journal, and Encyclopedia of Computer Vision. He served/is serving as a Program Co-Chair of PSIVT 2010, 3DIMPVT 2011, and ACCV 2012, a General Co-Chair for ACCV 2014, an Area chair for CVPR in 2009 and 2013, ICCV in 2009 and 2013, ECCV 2012, ACCV 2007. He is appointed as a Guest Associate Professor at Osaka University (April 2010–), Visiting Associate Professor at National Institute of Informatics (April 2011–) and Tohoku University (April 2012–), Japan. He is a senior member of IEEE.

Yuki Arase received her B.E. (2006), M.I.S. (2007), and Ph.D. of Information Science (2010) from Osaka University, Japan. She joined Microsoft Research Asia as an associate researcher on April 2010. In her Ph.D., she studied HCI on mobile devices, especially how to present a large Web page on a small screen. She also worked on Web data mining. In MSRA, she is working on English/Japanese natural language processing. Her recent research interests include English paraphrase detection, Japanese/English statistical machine translation, and crowd-sourcing for natural language processing.

[主催]

名古屋大学 博士課程教育リーディングプログラム
「実世界データ循環学」リーダー人材養成プログラム
<http://www.rwdc.is.nagoya-u.ac.jp/>

[協賛]

IEEE 名古屋支部

[連絡先]

名古屋大学 大学院情報科学研究科
井手 一郎 (052-789-3313, ide@is.nagoya-u.ac.jp)