Recent years have witnessed the popularity of web 2.0 content. Examples include YouTube, Facebook, MySpace, etc. The proliferation of such applications on social web and social networks have produced a new type of multimedia content, termed as “social media” here as it is created for sharing via the web. The intrinsic attributes of social media is to facilitate interactive information sharing, interoperability and collaboration on the internet. By virtue of that, web images, videos and audios are generally accompanied by user-contributed contextual information such as tag, comments, favorites, etc. Massive emerging social media data offer new opportunities for resolving the long-standing challenges in computer vision and multimedia. For examples, how to jointly represent the visual aspect and user annotations of multimedia data and how can we build video indexing and search benefit from the contextual information? Furthermore, this new media also introduces many challenging and new research problems and many exciting real-world applications (e.g. social image search, social group recommendation, etc.).

The special issue seeks for original contribution of works which addresses the challenges from contextual vision computing. The list of possible topics includes, but not limited to:

- Visual Attributes Learning
- Contextual models for vision and social media
- Scalable Content analysis for vision and social media
- Efficient learning and mining algorithms for scalable vision and social media analysis
- Machine tagging, semantic annotation, and object recognition on massive multimedia collections
- Crowdsourcing for vision problems
- Scene reconstruction and matching using large scale web images
- Community detection and clustering in social media
- Spatio-temporal analysis for event discovery and detection
- Social media applications for prediction and monitoring
- Indexing and retrieval for large-scale social media information
- Behavior analysis in social media
- Analysis of world events from social media streams
**Important Dates:**

- First notification: May 1, 2013
- Revision: July 1, 2013
- Final decision: Aug. 1, 2013
- Publication date: Dec. 2013

**Guest Editors:**

Richang Hong, Hefei University of Technology, China.

Qi Tian, University of Texas at San Antonio, USA.

Nicu Sebe, University of Trento, Italy.

Contact: hongrc@hfut.edu.cn

**Submission Guideline:**

Submissions should follow the official guidelines of Machine Vision and Applications, which can be found at http://www.springer.com/computer/image+processing/journal/138. Prospective authors should submit quality and original manuscripts that have not appeared, nor are under consideration, in any other journals. Manuscripts should be submitted electronically through the MVA submission system at http://www.springer.com/computer/image+processing/journal/138. All papers will be reviewed by at least three expert reviewers in relevant fields. Decision will be made based on the novel scientific and technical contribution and their suitability to the scope of this MVA special issue.
# Bios of the Guest Editors

## Richang Hong, Hefei University of Technology

### Short Bio:

Dr. Richang Hong is currently a Professor at School of Computer and Information, Hefei University of Technology and a Visiting Researcher in Multimedia Computing Group, Microsoft Research Asia (MSRA).

Dr. Richang Hong received his Ph.D. degrees in July 2008 from the University of Science and Technology of China (USTC). After that, he worked as a research fellow in School of Computing, National University of Singapore (NUS), until Dec. 2010. Since Dec. 2010, Dr. Hong joined School of Computer and Information, Hefei University of Technology (HFUT) as a Professor. His current research interests include multimedia question answering, social media analysis and multimedia data management. He has authored over 50 journal and conference papers in these areas. He served as a guest editor of Neurocomputing Journal, a publicity chair of ACM the fourth International Conference on Internet Multimedia Computing and Service 2012, a special session chair of 19th international conference on multimedia modeling 2013. He served as a technical program committee member of over 20 international conferences (ACM MM 2012, 2011; ACM SIGIR 2010, etc.), and a reviewer of over 20 prestigious international journals (IEEE TIP, IEEE TMM, IEEE TCSVT). He is a recipient of the Best Paper Award in ACM Multimedia 2010, Florence, Italy. Dr. Hong is a member of ACM and IEEE and CCF technical committee member on multimedia.

### Recent Publications:


17. Richang Hong, Guangda Li, Liqiang Nie, Jinhui Tang, Tat-Seng Chua. Explore Large Scale Data for Multimedia QA – An Initial Study. *ACM International Conference on Image and Video Retrieval (CIVR 2010)*, Xi’an, China.
20. Tat-Seng Chua, Jinhui Tang, Richang Hong, Haojie Li, Zhiping Luo, Yantao Zheng. NUSWIDE:A Real-World Web Image Database from National University
Qi Tian, University of Texas at San Antonio

Short Bio:

Dr. Qi Tian is currently an Associate Professor in the Department of Computer Science at the University of Texas at San Antonio (UTSA), and Adjunct Professor in Zhejiang University and Xidian University. During 2008-2009, he took a one-year faculty leave at Microsoft Research Asia (MSRA) as a Lead Researcher in the Media Computing Group (former Internet Media Group). In 2007, he was a Visiting Researcher at Microsoft Research Asia (MSRA), and a Visiting Scholar at MIAS Center, UIUC. In summer 2003, he was a Visiting Professor of NEC Laboratories America, Inc., Cupertino, CA, in the Video Media Understanding group. During 2000 and 2001, he was a summer Intern Researcher (2000, 2001) and visiting researcher with the Mitsubishi Electric Research Laboratories (MERL), Cambridge, MA. Before he joined UTSA, he was a research assistant of Professor Thomas S. Huang at the Image Formation and Processing (IFP) group of the Beckman Institute for Advanced Science and Technology and a teaching assistant in the Department of Electrical and Computer Engineering at UIUC from 1997 to 2002.

in IEEE International Conference on Multimedia and Expo (2006, 2008, 2009), Session and Special Session Chairs and TPC members of over 120 IEEE and ACM international conferences in multimedia and computer vision such as ACM Multimedia, ICCV, SIGIR, KDD, ICME, ISCAS, PCM, ICPR, CIVR, MIR, ICASSP, HCI, and VCIP. He received several grants from Army Research Office (ARO), San Antonio Life Science Institute (SALSI), the Center of Infrastructure Assurance and Security (CIAS), HP Laboratories, Akiira Media Systems, Inc., and UTSA Faculty Research Award (2004), all as Principal Investigator. He is a Leading Investigator at UTSA for a 2.4 million project jointly with MIAS Center, UIUC. He is currently the Associate Editor of IEEE Transactions on Circuits and Systems for Video Technology and Journal of Multimedia, and the Guest Editors of Computer Vision and Image Understanding, IEEE Transactions on Multimedia, Pattern Recognition Letter, EURASIP Journal on Advances in Signal Processing. He is a Senior Member (2003) of IEEE, and a Member (2004) of ACM.

Recent Publication:


**Nicu Sebe, University of Trento**

**Short Bio:**

Dr. Nicu Sebe is a Professor with the Faculty of Cognitive Sciences, University of Trento, Italy, where he is leading the research in the areas of multimedia information retrieval and human-computer interaction in computer vision applications. He was involved in the organization of the major conferences and workshops addressing the computer vision and human-centered aspects of multimedia information retrieval, among which as a General Co-Chair of the IEEE Automatic Face and Gesture Recognition Conference, FG 2008, ACM International Conference on Image and Video Retrieval (CIVR) 2007 and 2010, and WIAMIS 2009 and as one of the initiators and a Program Co-Chair of the Human-Centered Multimedia track of the ACM Multimedia 2007 conference.

He is the general chair of ACM Multimedia 2013 and was a program chair of ACM Multimedia 2011. He has served as the guest editor for several special issues in IEEE Transactions on Multimedia, IEEE Computer, Computer Vision and Image Understanding, Image and Vision Computing, Multimedia
Systems, and ACM TOMCCAP. He has been a visiting professor in Beckman Institute, University of Illinois at Urbana-Champaign and in the Electrical Engineering Department, Darmstadt University of Technology, Germany. He is the co-chair of the IEEE Computer Society Task Force on Human-centered Computing and is an associate editor of IEEE Transactions on Multimedia, Machine Vision and Applications, Image and Vision Computing, Computer Vision and Image Understanding and of Journal of Multimedia