Introduction of New Associate Editors

We are pleased to announce the appointments of Professors Irfan Essa, Chandra Kambhamettu, Guillermo Sapiro, Philip Torr, and Drs. Simon Baker, Pascal Fua, Jonathon Phillips, and Harpreet S. Sawhney. These new AEs bring a wealth of experience and scholarship in areas that are central to the mission of TPAMI. Dr. Baker will handle papers in face processing (recognition, tracking, face model fitting and construction, expression, gaze, and detection), superresolution and image enhancement, and 3D reconstruction (shape-from-silhouette, layers, optical/scene flow, 3D tracking, human 3D modeling, and tracking). Professor Essa will handle papers in video analysis and synthesis, human motion analysis, human modeling, activity recognition, tracking and surveillance, vision for graphics, and vision for HCI. Dr. Fua will handle papers in human body modeling, shape-from-stereo and shading, and 3D tracking and pose estimation. Professor Kambhamettu will handle papers in nonrigid motion, deformable models, tracking, reconstruction, illumination models, medical image analysis, and remotely sensed image analysis. Dr. Phillips will handle papers in face processing, biometrics, and evaluation. Professor Sapiro will handle papers in partial differential equations, level-set methods, and differential geometry in imaging sciences. Dr. Sawhney will handle papers in 2D/3D object recognition and classification, motion analysis, image/video indexing, tracking, and visual learning. Professor Torr will handle papers in object recognition, tracking, and segmentation. Their brief biographies and photos appear below.

We would also like to take this opportunity to express our sincere appreciation and gratitude to the nine retiring associate editors, Professor Alberto Del Bimbo, Professor David Fleet, Professor Alireza Khotanzad, Professor Stan Sclaroff, Professor Vic Solo, Dr. Luc Vincent, Professor John Weng, Dr. Kazuhiko Yamamoto, and Dr. Zhengyou Zhang. They have served TPAMI in an exemplary manner.

Rama Chellappa, Editor-in-Chief
David J. Kriegman, Associate-Editor-in-Chief

Simon Baker received the BA degree in mathematics from Trinity College, Cambridge University, in 1991, the MSc degree in computer science from the University of Edinburgh in 1992, and the MA degree in mathematics from Trinity College, Cambridge University, in 1995. Before joining the Robotics Institute in September 1998, he was a graduate research assistant at Columbia University, where he obtained the PhD degree from the Department of Computer Science. He also spent a summer visiting the Vision Technology Group at Microsoft Research. He is a research scientist at the Robotics Institute at Carnegie Mellon University, where he conducts research in computer vision. His current research interests include, face analysis (recognition, tracking, model building, and resolution enhancement), 3D reconstruction and vision/graphics, vision theory, vision for automotive applications, and projector-camera systems. For more details of his research, see his Web page: http://www.ri.cmu.edu/people/baker_simon.html.

Irfan Essa received the BS degree (1988) from the Illinois Institute of Technology. He received the SM and PhD degrees in 1990 and 1994, respectively, from the Massachusetts Institute of Technology, working at the MIT Media Laboratory. He also worked as a research scientist (1994-1996) at MIT, before joining the Georgia Tech faculty in 1996. He has received the US National Science Foundation CAREER Award, Imlay Fellowship, Edenfield Fellowship, and the College of Computing Research, Teaching, and Dean’s Awards. He is an associate professor in the College of Computing and an adjunct professor in the School of Electrical and Computer Engineering, Georgia Institute of Technology. He is affiliated with the Graphics, Visualization, and Usability Center. He founded the Computational Perception Laboratory (CPL) at Georgia Tech. He helped establish a new undergraduate degree of Computational Media at Georgia Tech and is a faculty member associated with the newly proposed Human Centric Computing (HCC) PhD degree. His research interests are in video analysis and synthesis, video-based rendering and animation, activity modeling and discovery, and intelligent and aware environments. He served on program committees of premier conferences like ACM SIGGRAPH, UIST, and IEEE ICCV, and CVPR. For further information, see http://www.cc.gatech.edu/~irfan.

Pascal Fua received a degree from Ecole Polytechnique, Paris, in 1984 and the PhD degree in computer science from the University of Orsay in 1989. He joined EPFL (Swiss Federal Institute of Technology) in 1996, where he is now a professor in the School of Computer and Communication Science. Before that, he worked at SRI International and at INRIA Sophia-Antipolis as a computer scientist. His research interests include human body modeling from images, optimization-based techniques for image analysis and synthesis, and the use of information theory in the area of model-based vision. For more details on his research, see his Web page http://cvlab.epfl.ch/~fua/.

For information on obtaining reprints of this article, please send e-mail to: tpami@computer.org.
Chandra Kambhamettu received the MS and PhD degrees in computer science and engineering from the University of South Florida in 1991 and 1994, respectively. His thesis explored methods for 3D nonrigid motion analysis. From 1994 to 1996, he was a research scientist at NASA-Goddard, where he received the “1995 Excellence in Research Award” from the Universities Space Research Association (USRA). From 1996 to 1997, he was a visiting faculty in the Department of Computer and Information Sciences, University of Delaware. He was an assistant professor from 1997-2003 and is currently an associate professor in the same department where he leads the Video/Image Modeling and Synthesis (VIMS) group. Dr. Kambhamettu received a US National Science Foundation CAREER award in 2000 and is the associate editor of Pattern Recognition journal. His research interests include computer vision, computer graphics, biomedical image analysis, bioinformatics, and remote sensing.

Jonathon Phillips received the BS degree in mathematics and the MS degree in electronic and computer engineering from George Mason University, and the PhD degree in operations research from Rutgers University. He is a leading technologist in the fields of computer vision, biometrics, face recognition, and human identification. He is at National Institute of Standards and Technology (NIST), and has been assigned to the Defense Advanced Projects Agency (DARPA). He was test director for the Face Recognition Vendor Test (FRVT) 2002. For his work on FRVT 2002, he was awarded the Department of Commerce Gold Medal. His current research interests include computer vision, face recognition, biometrics, digital video processing, developing methods for evaluating biometric algorithms, and computational psychophysics. His work has been reported in print media of record including the New York Times and the Economist. Prior to joining NIST, he developed and designed the FERET database collection and FERET evaluations at the US Army Research Laboratory. He has organized two conferences and workshops on face recognition and three on empirical evaluation. He has coedited three books on face recognition and empirical evaluation. He has been guest editor of special issues or sections of TPAMI and Computer Vision and Image Understanding. He is a member of the IEEE.

Guillermo Sapiro is a Distinguished McKnight University Professor with the Electrical and Computer Engineering Department at the University of Minnesota. He works on geometry and geometric partial differential equations, both in theory and applications in image sciences, shape, and computational biology. He has authored and coauthored numerous papers in this area and has written a book published by Cambridge University Press, January 2001. He was awarded the Gutwirth Scholarship for Special Excellence in Graduate Studies in 1991, the Olendorff Fellowship for Excellence in Vision and Image Understanding Work in 1992, the Rothschild Fellowship for Postdoctoral Studies in 1993, the US Office of Naval Research Young Investigator Award in 1998, the Presidential Early Career Awards for Scientist and Engineers (PECASE) in 1998, and the US National Science Foundation Career Award in 1999. He is a member of the IEEE and the SIAM, where he serves as the vice-chair for the Imaging Sciences Activity Group.

Harpreet S. Sawhney received the PhD degree in computer science in 1992 from the University of Massachusetts, Amherst, focusing on computer vision. He is a technical manager and leads the Vision Technologies group at the Sarnoff Corporation in Princeton, New Jersey. Since 1995, at Sarnoff he has led government and commercial programs in immersive telepresence, image-based 3D modeling, video indexing, video mosaicing, 2D/3D video manipulation, and 2D/3D object recognition, and fingerprinting. In particular, he has been the PI/co-PI for DARPA’s projects on Next Generation Internet (NGI), Exploitation of 3D (ESD) data, Video Verification of Identity (VIVID), and Image-based 3D Modeling. He was one of the key technical contributors toward the founding of two Sarnoff spinoffs, VideoBrush Inc., and Lifeclips, Inc. From 1997 to 2004, he was awarded the Sarnoff Technical Achievement Awards seven times for his contributions in video mosaicing, video enhancement, 3D vision, immersive telepresence, and object recognition. From 1992 to 1995, he led algorithm and system development in video annotation and indexing as a research staff member at the IBM Almaden Research Center in San Jose, California. He has served on the program committees of numerous computer vision and pattern recognition conferences, most recently for IEEE Computer Vision and Pattern Recognition, 2004, and the International Conference on Computer Vision, 2003. Dr. Sawhney has published more than 50 papers and holds 11 patents.

Philip Torr received the PhD (DPhil) degree from the Robotics Research Group at the University of Oxford under Professor David Murray of the Active Vision Group. He worked for another three years at Oxford as a research fellow. He left Oxford to work for six years as a research scientist for Microsoft Research, first in Redmond, Washington, in the Vision Technology Group, then in Cambridge, United Kingdom, founding the vision side of the Machine Learning and Perception Group. He is now a reader in computer science at Oxford Brookes University. He won the Marr prize (the highest honor in vision) in 1998. He served on the program committees of numerous computer vision conferences, such as IEEE Computer Vision and Pattern Recognition and IEEE International Conference on Computer Vision and will be an area chair for IEEE Internation Conference on Computer Vision 2005. He was involved in the algorithm design for boujou released by 2D3. He is on the editorial board of ACM Computers and Entertainment, Image and Vision Computing, and TPAMI.