

List of Publications 2012

Staff : **SIM MONG CHENG, TERENCE**
Department : **COMPUTER SCIENCE**

ARTICLE IN JOURNAL

INTERNATIONAL REFEREED

PUBLISHED

1. Zhang*, S and T Sim, "Discriminant subspace analysis: a Fukunaga-Koontz approach". *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, 29, no. 10 (2007): 1732 - 1745. (United States).
2. Sim*, T, S Zhang, R Janakiraman and S Kumar, "Continuous verification using multimodal biometrics". *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, 29, no. 4 (Biometrics) (2007): 687 - 700. (United States).
3. Zhang*, Y, T Sim, C L Tan and E Sung, "Anatomy-based face reconstruction for animation using multi-layer deformation". *Journal of Visual Languages and Computing*, 17 (2006): 126-160. (United Kingdom). (rank 3).
4. Zhang*, Y, T Sim and C L Tan, "Generating personalized anatomy-based 3D facial models from scanned data". *Machine Graphics and Vision*, 14, no. 1 (2005): 3-28. (United States). (Rank 4).
5. Sim*, T, S Baker and M Bsat, "The CMU Pose, Illumination, and Expression Database". *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, 25, no. 12 (2003): 400-420. (United States). (Premium).
6. Baker, S, T Sim and T Kanade, "When is the Shape of a Scene Unique Given its Light-Field: A Fundamental Theorem of 3D Vision?". *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, 25, no. 1 (2003): 100-109. (United States). (Premium).

SUBMITTED FOR PUBLICATION

7. YE*, N, L ZHANG, T Sim and E. M. Martinez, "Towards general motion-based face recognition". *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, (2012). (United States).

LOCAL/REGIONAL REFEREED

PUBLISHED

8. Chua*, T S, W C Low and T Sim, "Visual information processing". *The Journal of the Institute of Image Electronic Engineers of Japan*, 27, no. 1 (1998): 10-19. (United States).

NON-REFEREED

PUBLISHED

- @ 9. Sim, T, "Biometrics and privacy". *Synthesis Journal 2006*, 2006 (2006): 81-88. (Singapore).
- @ 10. Sim, T, "Face recognition - issues and challenges". *Synthesis Journal 2004*, 2004 (2004): 35-40. (Singapore).

@ - indicates journal classification is based on the proposed classification of the author(s)

SHORTER ARTICLE/COMMENT IN JOURNAL

LOCAL/REGIONAL REFEREED

PUBLISHED

1. Sim, T, "Let go my lego!". *CDTL Brief*, 10, no. 2 (2007): 3 - 4. (Singapore).

@ - indicates journal classification is based on the proposed classification of the author(s)

CONFERENCE PAPER

LOCAL/REGIONAL

ORAL PRESENTATION

PUBLISHED

1. Li*, L Y, S S Ge, T Sim, Y T Koh and X Y Huang, "Object-oriented scale-adaptive filtering for human detection from stereo images". *IEEE Conference on Cybernetics and Intelligent Systems 2004* (2004) (IEEE Conference on Cybernetics and Intelligent Systems 2004, 1 - 3 Dec 2004, Traders Hotel, Singapore)
2. Huang*, X Y, L Y Li and T Sim, "Stereo-based human head detection from crowd scenes". *IEEE International Conference on Image Processing 2004* (2004). Singapore. (IEEE International Conference on Image Processing 2004, 24 - 27 Oct 2004, Singapore) (Rank 2).
3. Zhang*, Y, T Sim and C L Tan, "Rapid modeling of 3D faces for animation using an efficient adaptation algorithm map". *International Conference on Computer Graphics and Interactive Techniques in Australasia and Southeast Asia, Graphite 2004* (2004): 173-181 (International Conference on Computer Graphics and Interactive Techniques in Australasia and Southeast Asia, Graphite 2004, 15 - 18 Jun 2004, Singapore) (unranked).

INTERNATIONAL

ORAL PRESENTATION

PUBLISHED

4. SRIVASTAVA, R, J FENG, S Roy, T Sim and S YAN*, "Don't Ask Me What I'm Like, Just Watch and Listen". *Proceedings of the 20th ACM international conference on Multimedia* (2012). New York: ACM. (ACM International Conference on Multimedia, 29 Oct - 2 Nov 2012, Nara, Japan)
5. KIANI GALOOGAHI*, H and T Sim, "Inter-modality face sketch recognition". *IEEE International Conference on Multimedia and Expo* (2012). New York: IEEE. (IEEE International Conference on Multimedia and Expo (Rank 2), 9 - 13 Jul 2012, Melbourne Convention and Exhibition Centre, Melbourne, Australia)
6. ZHANG*, L, N YE, E. M. Martinez, D GUO and T Sim*, "New hope for recognizing twins by using facial motion". *IEEE Workshop on Applications of Computer Vision* (2012). New York: IEEE. (IEEE Workshop on Applications of Computer Vision (Rank 2), 9 - 11 Jan 2012, The Village, Breckenridge, United States)
7. SONG*, Z, B NI, D GUO, S YAN and T Sim, "Learning universal multi-view age estimator by video contexts". *International Conference on Computer Vision* (2011). New York: IEEE. (International Conference on Computer Vision (Rank 1), 6 - 13 Nov 2011, Barcelona, Spain)
8. SONG, Z, B NI, D GUO*, S YAN and T Sim, "Learning Universal Multi-view Age Estimator by Video Contexts". *Proceedings of the 13th International conference on computer vision* (2011). New York: IEEE. (Plenary paper) (International conference on computer vision, 6 - 13 Nov 2011, Montjuïc Hall No. 5, Fira de Barcelona, United States)
9. HOSSEIN*, N, T Sim and E. M. Martinez, "Do you see what I see? A more realistic eyewitness sketch recognition". *IEEE Biometrics Compendium* (2011). New York: IEEE. (International Joint Conference on Biometrics, 11 - 13 Oct 2011, Doubletree Hotel, Arlington, Virginia, United States)
10. ZHONG*, X, D YU, K W C Foong, T Sim, Y S Wong and H Cheng, "Towards automated pose invariant 3D dental biometrics". *Proceedings of International Joint Conference on Biometrics* (2011): 1-7. Washington: IEEE Explore. (International Joint Conference on Biometrics, 11 - 13 Oct 2011, Doubletree Hotel, Washington DC, United States)
11. HOSSEIN*, N and T Sim, "A study on recognizing non-artistic face sketches". *IEEE Workshop on Applications of Computer Vision* (2011). California: IEEE. (IEEE Workshop on Applications of Computer Vision, 5 - 6 Jan 2011, Sheraton Keauhou Bay Resort and Spa, Hawaii, United States)
12. ZHUO*, S, X ZHANG, XP Miao and T Sim, "Enhancing low light images using near infrared flash images". *IEEE International Conference on Image Processing* (2010). New York: IEEE. (IEEE International Conference on Image Processing, 26 - 29 Sep 2010, Hong Kong Convention and Exhibition Centre, Hong Kong)
13. SRIVASTAVA*, R, S Roy and T Sim, "Rotation invariant facial expression recognition in image sequences". *IEEE International Conference on Multimedia & Expo* (2010). New York: IEEE. (IEEE International Conference on Multimedia & Expo, 19 - 23 Jul 2010, Suntec Singapore International Convention & Exhibition Centre, Singapore, Singapore)

14. ZHUO*, S, D GUO and T Sim, "Robust flash deblurring". *IEEE Conference on Computer Vision and Pattern Recognition* (2010). New York: IEEE. (IEEE Conference on Computer Vision and Pattern Recognition, 13 - 18 Jun 2010, Hyatt Regency, San Francisco, United States)
15. GUO*, D, Y CHENG, S ZHUO and T Sim, "Correcting over-exposure in photographs". *IEEE Conference on Computer Vision and Pattern Recognition* (2010). New York: IEEE. (IEEE Conference on Computer Vision and Pattern Recognition, 13 - 18 Jun 2010, Hyatt Regency, San Francisco, United States)
16. YE*, N and T Sim, "Towards general motion-based face recognition". *IEEE Conference on Computer Vision and Pattern Recognition* (2010). New York: IEEE. (IEEE Conference on Computer Vision and Pattern Recognition, 13 - 18 Jun 2010, Hyatt Regency, San Francisco, United States)
17. YE*, N, T Sim and X.P. Miao, "Video stylization by single image example". *IEEE International Conference on Image Processing* (2010). New York: IEEE. (IEEE International Conference on Image Processing (Rank 2), 26 - 29 Sep 2010, Hong Kong Convention and Exhibition Centre, Hong Kong)
18. SRIVASTAVA*, R, T Sim, S YAN and S Ranganath, "Feature selection for facial expression recognition using deformation modeling". *International Conference on Digital Image Processing* (2010). Washington: SPIE. (International Conference on Digital Image Processing, 26 - 28 Feb 2010, Suntec Singapore International Convention & Exhibition Centre, Singapore, Singapore)
19. Sri-vas-ta-va*, R, T Sim, S YAN* and S Ran-ganath, "Fea-ture Se-lec-tion for Fa-cial Ex-pres-sion Recog-ni-tion Using De-for-ma-tion Mod-el-ing". *ICDIP* (2010). N/A: N/A. (Plenary paper) (ICDIP 2010, 26 - 28 Feb 2010, Singapore)
20. Zhang*, S, T Sim and M Yeh, "Identity and variation spaces: revisiting the Fisher linear discriminant". *2nd IEEE International Workshop on Subspace Methods* (2009). California: IEEE. (2nd IEEE International Workshop on Subspace Methods, 27 Sep 2009, Kyoto University, Kyoto, Japan)
21. YE*, N and T Sim, "Smile, you're on identity camera". *IAPR International Conference on Pattern Recognition (Rank 2)* (2009) (IAPR International Conference on Pattern Recognition (Rank 2), 8 - 11 Dec 2008, Tampa Convention Center, Tampa, Florida, United States)
22. Sim*, T, S Zhang, J LI and Y CHEN, "Simultaneous and orthogonal decomposition of data using multimodal discriminant analysis". *IEEE International Conference on Computer Vision* (2009). California: IEEE. (IEEE International Conference on Computer Vision (Rank 1), 26 Sep - 4 Oct 2009, Kyoto International Conference Center, Kyoto, Japan)
23. YE*, N and T Sim, "Combining facial appearance and dynamics for face recognition". *International Conference on Computer Analysis of Images and Patterns (Rank 2)* (2009) (International Conference on Computer Analysis of Images and Patterns (Rank 2), 2 - 4 Sep 2009, Munster, Germany)
24. ZHUO*, S and T Sim, "On the recovery of depth from a single defocused image". *International Conference on Computer Analysis of Images and Patterns (Rank 2)* (2009) (International Conference on Computer Analysis of Images and Patterns (Rank 2), 2 - 4 Sep 2009, Munster, Germany)

25. GUO*, D and T Sim, "Color me right: seamless image compositing". *Lecture notes in computer science 5702* (2009). Berlin: Springer Verlag. (International Conference on Computer Analysis of Images and Patterns, 2 - 4 Sep 2009, Munster University, Munster, Germany)
26. GUO*, D and T Sim, "Face Makeup by Example". *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition* (2009). California: IEEE. (IEEE Conference on Computer Vision and Pattern Recognition (Rank 1), 20 - 25 Jun 2009, Fontainebleau Resort, Miami, Florida, United States)
27. KWANG, X Y G, R H C Yap*, T Sim and R RAJIV, "An Usability Study of Continuous Biometrics Authentication". *Advances in Biometrics*, ed. Tistarelli, Nixon (2009): 828-837. Germany: Springer. (International Conference on Biometrics, 2 - 5 Jun 2009, University of Sassari, Alghero, Italy)
28. YU*, D and T Sim, "Using targeted statistics for face regeneration". *IEEE International Conference on Automatic Face and Gesture Recognition* (2008). United States. (IEEE International Conference on Automatic Face and Gesture Recognition, 17 - 19 Sep 2008, De Rode Hoed, Amsterdam, Netherlands)
29. ZHANG*, X and T Sim, "Enhancing photographs using near infrared images". *IEEE Computer Society Conference on Computer Vision and Pattern Recognition* (2008). California: IEEE. (IEEE Computer Society Conference on Computer Vision and Pattern Recognition (Rank 1), 24 - 26 Jun 2008, Egan Convention Center, Anchorage, Alaska, United States)
30. Yap*, R H C, T Sim, X Y G KWANG and R RAJIV, "Physical access protection using continuous authentication". *IEEE International Conference on Technologies for Homeland Security* (2008): 510-512. California: IEEE. (IEEE International Conference on Technologies for Homeland Security 2008, 12 - 13 May 2008, Westin Hotel, Waltham, MA, United States)
31. YE*, N and T Sim, "Interactive portrait art". *IEEE Workshop on Application of Computer Vision 2008* (2008). California: IEEE. (IEEE Workshop on Application of Computer Vision 2008 (Rank 2), 7 - 9 Jan 2008, Copper Mountain Resort, Colorado, United States)
32. Sim*, T and R JANAKIRAMAN, "Are digraphs good for free-text keystroke dynamics?". *IEEE Conference on Computer Vision and Pattern Recognition* (2007). New York: IEEE. (IEEE Computer Society Workshop on Biometrics, 18 Jun 2007, Hyatt Hotel, Minneapolis, United States)
33. Miao*, X P and T Sim, "Automatic red-eye detection and removal". *IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA AND EXPO 2004* (2007). Taipei. (IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA AND EXPO 2004 (Rank 2), 27 - 30 Jun 2004, Grand Hotel, Taipei, Taiwan) (Rank 2).
34. Sim*, T, D Ng and R JANAKIRAMAN, "VIM: vision for interactive music". *IEEE Workshop on Applications of Computer Vision* (2007). New York: IEEE. (IEEE Workshop on Applications of Computer Vision (Rank 2), 21 - 22 Feb 2007, Hilton Garden Hotel, Austin, Texas, United States)
35. Zhang*, S and T Sim, "When Fisher meets Fukunaga-Koontz: a new look at linear discriminants". *IEEE Conference on Computer Vision and Pattern Recognition* (2006). New York: IEEE. (Computer Vision and Pattern Recognition (Rank 1), 17 - 22 Jun 2006, New York University, New York, United States)

36. Zhao*, M, T S Chua and T Sim, "Morphable face reconstruction with multiple images". *IEEE International Conference on Automatic Face and Gesture Recognition* (2006). New York: IEEE. (Automatic Face and Gesture Recognition, 10 - 12 Apr 2006, University of Southampton, Southampton, United Kingdom)
37. Ang*, W. T., M Krichane and T Sim, "Zero phase filtering for active compensation of periodic physiological motion". *IEEE / RAS-EMBS International Conference on Biomedical Robotics and Biomechatronics* (2006). New York: IEEE. (IEEE / RAS-EMBS International Conference on Biomedical Robotics and Biomechatronics, 20 - 22 Feb 2006, Palazzo dei Congressi di Pisa, Pisa, Italy)
38. Zhang*, S, R Janakiraman, T Sim and S Kumar, "Continuous verification using multimodal Biometrics". *Lecture Notes in Computer Science* (2006). Berlin: Springer Verlag. (IAPR International Conference on Biometrics 2006, 5 - 7 Jan 2006, Hong Kong Polytechnic University, Hong Kong)
39. Kumar*, S, T Sim, S Zhang and R Janakiraman, "Using continuous biometric verification to protect interactive login sessions". *21st Annual Computer Security Applications Conference* (2005). Los Alamitos: IEEE Computer Society. (Annual Computer Security Applications Conference, 5 - 9 Dec 2005, Marriott University Park, Tucson, United States)
40. Miao*, X P and T Sim, "Ambient image recovery and rendering from flash photographs". *International Conference on Image Processing* (2005). Afghanistan. (International Conference on Image Processing (Rank 2), 11 - 14 Sep 2005, Genoa, Italy)
41. Zhang*, Y, T Sim and T Sim, "Realistic and efficient wrinkle simulation using an anatomy-based face model with adaptive refinement". *Computer Graphics International 2005* (2005) (Computer Graphics International 2005, 22 - 24 Jun 2005, Stony Brook, New York, United States)
42. Zhang*, Y and T Sim, "From range data to animated anatomy-based faces: a model adaptation method". *The 5th International Conference on 3-D Digital Imaging and Modeling* (2005). New York: IEEE. (The 5th International Conference on 3-D Digital Imaging and Modeling, 13 - 16 Jun 2005, Fairmont Château Laurier Hotel, Ottawa, Canada)
43. Zhang*, Y, T Sim and C L Tan, "Faces alive: reconstruction of animated 3D human faces". *Technical Session on Computer Graphics and Geometric Modeling, TSCG 2005* (2005): 1197-1208. Berlin: Springer-Verlag. (International Conference on Computational Science and Its Applications, 9 - 12 May 2005, Suntec, Singapore)
44. Zhang*, Y, T Sim and C L Tan, "Simulating wrinkles in facial expressions on an anatomy-based face". *CGGM 2005* (2005): 207-214. Berlin: Springer-Verlag. (4th International Workshop on Computer Graphics and Geometric Modeling, 22 - 25 May 2005, Emory University, Atlanta, United States)
45. Yin*, J, T Sim, Y Wang and A Shenoy, "Music Transcription Using an Instrument Model". *Proceedings of IEEE International Conference on Acoustics, Speech, and Signal Processing 2005* (2005): 4. Philadelphia: IEEE. (2005 IEEE International Conference on Acoustics, Speech, and Signal Processing, 18 - 23 Mar 2005, Pennsylvania Convention Center/Marriott Hotel, Philadelphia, United States)
46. Zhang*, Y, T Sim and E Sung, "Anatomy-based human face reconstruction using multi-layer deformation". *International Conference in Central Europe on Computer Graphics and Visualization* (2005). Plzen: University of West Bohemia. (International Conference in Central Europe on Computer Graphics and Visualization, 31 Jan - 4 Feb 2005, University of West Bohemia, Plzen - Bory, Czech Republic)

47. Zhang*, Y and T Sim, "Anatomy-based human face reconstruction using multi-layer deformation". *The 13th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2005* (2005) (The 13th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2005, 31 Jan - 4 Feb 2005, University of West Bohemia, Plzen - Bory, Czech Republic)
48. Kumar*, S, T Sim, R Janakiraman and SHENG Zhang, "Using continuous face verification to improve desktop security". *Workshop on applications of computer vision* (2005) (Workshop on applications of computer vision, 5 - 7 Jan 2005, Breckenridge, CO, United States) (Rank 2).
49. Zhang*, Y, T Sim and C L Tan, "Human face modeling for facial image synthesis using optimization-based adaptation". *International Symposium on Intelligent Multimedia, Video and Speech Processing 2004* (2004) (International Symposium on Intelligent Multimedia, Video and Speech Processing 2004, 20 - 22 Oct 2004, Hong Kong Polytechnic University, Hong Kong)
50. Zhang*, Y, T Sim and C L Tan, "Human face modeling by fitting a 3D anatomy-based model using dynamic deformable". *Computer Graphics and Imaging* (2004). Calgary: ACTA Press. (IASTED International Conference on Computer Graphics and Imaging, 17 - 19 Aug 2004, Kauai, United States)
51. Sim*, T and S Zhang, "Exploring face space". *First IEEE Workshop on Face Processing in Video* (2004). Washington D.C.. (First IEEE Workshop on Face Processing in Video, 28 Jun 2004, Washington D.C, United States)
52. Zhang*, Y, T Sim and C L Tan, "Reanimating real humans: automatic reconstruction of animated faces from range data". *IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA AND EXPO 2004* (2004). Taipei. (IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA AND EXPO 2004, 27 - 30 Jun 2004, Grand Hotel, Taipei, Taiwan) (Rank 2).
53. Zhang, Y, T Sim and C L Tan, "Adaptation-based individualized face modeling for animation using displacement map". *Computer Graphics International, CGI 2004* (2004): 518-521 (Computer Graphics International, CGI 2004, 16 - 24 Jun 2004, Crete, Greece) (Rank 2).
54. Zhang*, Y and T Sim, "Generating animatable 3D virtual faces from scan data". *Proceedings of the 2003 IEEE International Workshop on Robot and Human Interactive Communication* (2003): 43-48. Millbrae, California. (Proceedings of the 2003 IEEE International Workshop on Robot and Human Interactive Communication, 31 Oct - 2 Nov 2003, Millbrae, California, United States)
55. Zhang*, Y, T Sim and C L Tan, "Reconstruction of animatable personalized 3D faces by adaptation-based modeling". *Eurographics 2003* (2003): 201-208. Granada. (Eurographics 2003, 1 - 6 Sep 2003, Ganada, Spain) (Rank 2).
56. Zhang*, Y and T Sim, "Layered modeling for animated face construction". *World Multiconference on Systemics, Cybernetics and Informatics* (2003). Orlando: International Institute of Informatics and Systems and Systemics. (World Multiconference on Systemics, Cybernetics and Informatics, 27 - 30 Jul 2003, Sheraton World, Orlando, United States)
57. Sim*, T, S Baker and M Bsat, "The CMU Pose, Illumination, and Expression (PIE) Database". *IEEE International Conference on Automatic Face and Gesture Recognition* (2002): 46-51 (IEEE International Conference on Automatic Face and Gesture Recognition, 20 - 21 May 2002, Washington DC, United States)

58. Sim*, T and T Kanade, "Combining Models and Exemplars for Face Recognition: An Illuminating Example.". *IEEE Conference on Computer Vision and Pattern Recognition (2001)* (IEEE Conference on Computer Vision and Pattern Recognition, 9 - 14 Dec 2001, Kauai, Hawaii, United States)
59. Baker*, S, T Sim and T Kanade, "A Characterization of Inherent Stereo Ambiguities". *International Conference on Computer Vision (2001)* (International Conference on Computer Vision, 9 - 12 Jul 2001, Vancouver, Canada) (Rank 1).
60. Sim*, T, R Sukthankar, M Mullin and S Baluja, "Memory-based face recognition for visitor identification". *Fourth IEEE International Conference on Automatic Face and Gesture Recognition (2000)* (Fourth IEEE International Conference on Automatic Face and Gesture Recognition, 28 - 30 Mar 2000, Grenoble, France)

ACCEPTED FOR PUBLICATION

61. ZHANG*, L, N YE, E. M. Martinez and T Sim, "Expressive deformation profiles for cross-expression face recognition". *International Conference on Pattern Recognition (Rank 2)* (11 - 15 Nov 2012, Tsukuba International Congress Center, Tsukuba, Japan)
62. KIANI GALOOGAHI*, H and T Sim, "Face sketch recognition by local radon binary pattern". *IEEE International Conference on Image Processing (Rank 2)* (, Afghanistan)
63. KIANI GALOOGAHI*, H and T Sim, "Face photo retrieval by sketch example". *ACM Multimedia* (, Afghanistan)
64. HOSSEIN*, N, L ZHANG, T Sim, E. M. Martinez and D GUO, "Wonder ears: identification of identical twins from ear images". *International Conference on Pattern Recognition (Rank 2)* (, Afghanistan)

POSTER PRESENTATION

PUBLISHED

65. SRIVASTAVA*, R, S Roy, S YAN and T Sim, "Accumulated Motion Images for Facial Expression Recognition in videos". *Proceedings of the 9th IEEE International Conference on Automatic Face and Gesture Recognition (2011)*. New York: IEEE. (International Conference on Automatic Face and Gesture Recognition, 21 - 25 Mar 2011, 633 East Cabrillo Boulevard, Santa Barbara, CA, United States)
66. JANAKIRAMAN*, R and T Sim, "Keystroke dynamics in a general setting". *Advances in Biometrics (2007)*: 584 - 593. Berlin: Springer Verlag. (International Conference on Biometrics, 27 - 29 Aug 2007, Korea University, Seoul, South Korea)

ACCEPTED FOR PUBLICATION

67. SRIVASTAVA*, R, S YAN*, T Sim and S Roy, "Recognizing Emotions Of Characters In Movies". *International Conference on Acoustics, speech, and Signal Processing* (, Japan)

CHAPTER IN BOOK

PUBLISHED

1. SRIVASTAVA*, R, S YAN, T Sim and S Ranganath, "Subject Independent Facial Expression Recognition from 3D Face Models using Deformation Modeling". In *Depth Map and 3D Imaging Applications: Algorithms and Technologies*. Pennsylvania: IGI Global, 2011. 30 pp.

SUBMITTED FOR PUBLICATION

2. Sim*, T, R H C Yap and S Kumar, "Continuous authentication - theory and practice". In *Continuous Authentication Using Biometrics: Data, Models, and Metrics*. IGI Global, 2010.
3. Sim, T, "Privacy Issues - System Design". In *Encyclopedia of Biometrics*, ed. Stan Li. Springer-Verlag, 2008. 5 pp.

DISSERTATION

UNPUBLISHED BUT FINALIZED

1. Sim, T, *Statistics-based Face Rendering and its Application to Face Recognition*. Doctor of Philosophy diss., Carnegie Mellon University, Pittsburgh, Pennsylvania, United States. 2002. 108 pp.

PUBLISHED REPORT

PUBLISHED

1. Sim*, T and T Kanade, *Illuminating the Face*. Technical Report, no. CMU-RI-TR-01-31. 2001.
2. Baker*, S and T Sim, *A Fundamental Theorem of Stereo?*. Technical Report, no. CMU-RI-TR-01-07. 2001.
3. Sim*, T, S Baker and M Bsat, *The CMU Pose, Illumination, and Expression (PIE) Database of Human Faces*. Technical Report, no. CMU-RI-TR-01-02. 2001.