

<List of Recent Publications>

[Touchless Fingerprint Recognition]

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- *Kyungtaek Choi, Heeseung Choi, Sangyoun Lee, **Jaihie Kim**, "Fingerprint Image Mosaicking by Recursive Ridge Mapping", IEEE Transactions on System, Man and Cybernetics -Part B, Special Issue on Recent Advances in Biometrics Systems, Vol. 37, No. 5, pp. 1191-1203, October 2007.
- *Sanghoon Lee, Heeseung Choi, **Jaihie Kim**, "Fingerprint Quality Index using Gradient Components", IEEE Transactions on Information Forensics and Security, Vol. 3, No. 4, pp. 792~800, December 2008.
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- *Donghyun Noh, Heeseung Choi, **Jaihie Kim**, "Touchless sensor capturing five fingerprint images by one rotating camera", Optical Engineering, Vol. 50, No. 11, pp. 113202-1 - 113202-12, November 2011.

[Biometric Security]

- *Chulhan Lee, Jeung-Yoon Choi, Kar-Ann Toh, Sangyoun Lee, and **Jaihie Kim**, "Alignment-Free Cancelable Fingerprint Templates Based on Local Minutiae Information", IEEE Transactions on System, Man and Cybernetics -Part B, Vol. 37, No. 4, pp. 980-992, August 2007.
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- *Sung Joo Lee, Kang Ryoung Park, Youn Joo Lee, Kwanghyuk Bae, and **Jaihie Kim**, "Multi-feature Based Fake Iris Detection Method", Optical Engineering, Vol. 46, Issue. 12, pp. 127204-1 ~ 127204-10, December 2007.
- *Heeseung Choi, Raechoong Kang, Kyungtaek Choi, Andrew Teoh Beng Jin and **Jaihie Kim**, "Fake Fingerprint Detection Using Multiple Static Features," OPTICAL ENGINEERING, vol. 48, no. 4, April 2009.
- *Andrew Teoh Beng Jin, Sangyoun Lee, and **Jaihie Kim**, "Secure Biometric Template Protection in Fuzzy Commitment Scheme", IEICE Electronics Express, Vol. 4, No. 23, pp. 724-730, December 2007.
- *Chulhan Lee and **Jaihie Kim**, "Cancelable Fingerprint Templates Using Minutiae-based Bit Strings", Special issue of Journal of Network and Computer Applications, Vol. 33, No. 3, pp.236-246, May, 2010.
- *Hyunggu Lee, Andrew Beng Jin Teoh, and **Jaihie Kim**, "Biometric Bits Extraction through Phase Quantization based on Feature level fusion", Journal of Telecommunication Systems, Vol. 47, No. 3-4, 255-273, June 2011.
- *Beom-Seok Oh, Kar-Ann Toh, Andrew Beng Jin Teoh, **Jaihie Kim**, "Combining Local Face Image

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[Iris Recognition]

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