ICT 융합 연구실

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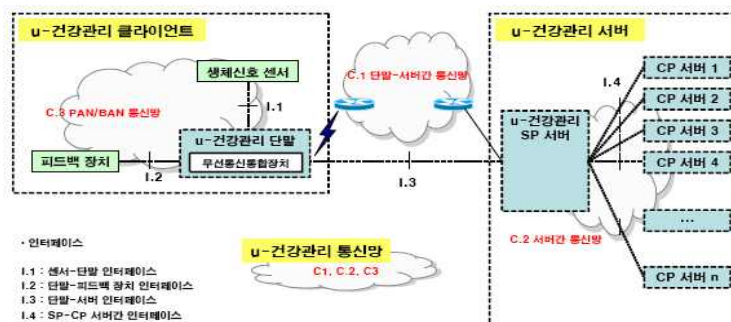‣ 홈페이지:

‣ 팩스: 053-950-5505

01 연구실구성원

• 지도교수 : 김정준
• 박사과정 :
• 석사과정 :

02 연구분야

(a) Embedded hardware and software platforms for IP devices and wearable devices, and new technologies, application and service for device echo-system
(b) Multi-computers: inter-connection networks, parallel computing and architecture, performance analysis
(c) Big data based knowledge industry analysis
(d) m-Healthcare management: Tele-medicine, smart gateway, decision support system for home-healthcare, personal health device, u-health service

03 주요 수행과제 및 최근 5년간 연구 논문

❑ 주요 수행과제
- Reliable and realtime ECG signal monitoring system development under ubiquitous environment, 2014.5 – 2017.4

- Development of skin detection module for the recognition of the harmful effects on multimedia terminal, 2014.6 – 2014.12
- The package-supporting business for Big Data based knowledge industry, 2013.6 - 2014.5
- Document standardization & information system design for operation and maintenance of wireless communications, 2012.5 - 2012.12

❑ 연구 논문
- "Affinity Graph based End-to-End Deep Convolutional Networks for CT Hemorrhage Segmentation", Lecture Notes in Computer Science, vol.11953, pp.546-555, 2019
- "Oppenheim and Schur Type Inequalities for Khatri-Rao Products of Positive Definite Matrices", Kyungpook Mathematical Journal, vol.57, no.4, pp. 641-649, 2017
- "Ventricular Arrhythmia Classification Based on High-order Statistical Features of ECG Signals", Lecture Notes in Electrical Engineering, vol.474, pp.1227-1231, 2017
- "Hierarchical Authentication Algorithm using Curvature Based Fiducial Point Extraction of ECG Signals", Journal of Korea Multimedia Society, vol.20, no.3, pp.465-473, 2017
- "ECG Signal Compression based on Adaptive Multi-level Code," Journal of Korean Institute of Intelligent Systems, vol.23, no.6, pp.519-526, 2013
- "Real-Time Monitoring of ECG Signal under Ubiquitous Environment," Journal of Korea Information and Communications Society, vol.38B, no.9, pp.728-735, 2013

04 특허 및 등록출원 현황

❑ 국내특허 출원 및 등록
- Connection management method, module and recording medium of heterogeneous wireless communication modem, 10-09789350000, Korea
- System and method for processing handover in different mobility protocol mixing network and mobile IP client apparatus, 10-10283300000, Korea
- Countermeasure against Denial-of-Service attack in authentication protocols using public-key encryption, 10-08114190000, Korea
- Wireless LAN connection apparatus and method for network connection certification in public wireless LAN system, 10-05450780000, Korea
- Patents: Domestic Registration(26), Domestic Applications(3)

05 졸업생 진로 현황