



The 9th KSSiS Symposium

대한컴퓨터가상수술학회 제9차 하계학술대회

(Korean Society for Simulation Surgery)

일시/장소

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등록 안내

현장 등록 150,000원

학술 일정

“가상수술의 최첨단 기술 및 적용”

Cutting Edge of Simulation Surgery & Clinical Application

Time	Program	Speakers
08:30	Registration	
08:55-09:00	Opening Remark (이상윤 부회장 Vice-President Sangyoun Lee)	Moderator: 최종우 (Scientific Chair Jong-Woo Choi)
	Session I: 3차원 시뮬레이션 기술 I 3D Simulation Technology I	Chair: 김익재 Ig-Jae Kim (Korea Institute of Science and Technology)
09:00-09:25	VR/AR 및 3차원 수술 시뮬레이션 기술 동향 State-of-the-art of VR/AR Technology and 3D Surgical Simulation	김영준 Youngjun Kim (Center for Bionics Korea Institute of Science and Technology)
09:25-09:50	가상현실을 이용한 보톡스 주사 시뮬레이션 Virtual Reality for Botulinum Toxin Injection Simulation	문성용 Seong Yong Moon (Oral & Maxillofacial Surgery, Chosun University)
09:50-10:15	다시점 영상 기반 3차원 얼굴 및 객체 모델링 기술 3D Face and Object Modeling with Multiple View Images	김익재 Ig-Jae Kim (Imaging Media Research Center Korea Institute of Science and Technology)
10:15-10:35	Break	
	Session II: 3차원 시뮬레이션 기술 II 3D Simulation Technology II	Chair: 김광기 Kwanggi Kim (Gachon University)
10:35-11:00	가상현실(VR)의 의학적 적용모델 Medical Applications of Virtual Reality	백남종 Nam-Jong Paik (Rehabilitation Medicine Seoul National University Bundang Hospital)
11:00-11:25	이기종 센서를 이용한 계층적 3차원 특징점 검출 Hierarchical 3D Landmark Detection based on Heterogeneously-coupled Feature Extraction	이상윤 Sangyoun Lee (Electrical & Electronic Engineering, Yonsei University)
11:25-11:50	3차원 카메라를 이용한 얼굴성형 분석 Analysis of Facial Plastic Surgery based on the 3D Camera	최종우 Jong-Woo Choi (Plastic & Reconstructive Surgery Seoul Asan Medical Center)
11:50-12:50	Lunch	
	Session III: 가상수술 Simulation Surgery	Chair: 안강민 Kang-Min Ahn (Seoul Asan Medical Center)
12:50-13:15	척추신경외과 분야의 AR과 VR 콘텐츠 개발 전략 Road Map for Development of 3 Dimensional AR & VR Contents in Spinal Neurosurgery	이성 Seong Yi (Neurosurgery, Yonsei university)
13:15-13:50	Application of Computer-aided Surgery Technique in Free Vascularized Flap Reconstruction of Craniofacial Defect	Cai Zhigang, China (Oral & Maxillofacial Surgery Peking University School & Hospital of Stomatology)
13:50-14:10	악안면 거대 골결손 재건을 위한 바이오 프린팅의 적용 Application of Bioprinting for Reconstruction of Maxillofacial Defect	이정우 Jung-Woo Lee (Oral & Maxillofacial Surgery, Kyung Hee University)
14:10-14:30	가상수술을 통한 악안면 재건 Maxillofacial Reconstruction using Free Flap and Dental Implant with Simulation Surgery	안강민 Kang-Min Ahn (Oral & Maxillofacial Surgery Seoul Asan Medical Center)
14:30-14:50	Break	
	Session IV: 의료영역 기술의 최신 경향 Update in Medical Technology	Chair: 홍헬렌 Helen Hong (Seoul Women's University)
14:50-15:10	딥러닝기법을 이용한 맘모그래피 영상에서의 미세석회화 검출 방법 연구 Detection of Mammography Calcification using Deep Learning Methods	김광기 Kwanggi Kim (Biomedical Engineering, Gachon University)
15:10-15:45	3D Virtual Planning, Guided Surgery and the Use of Augmented Reality	Joep Kraeima, the Netherlands (Oral & Maxillofacial Surgery University Medical Centre Groningen)
15:45-16:05	3D CT 영상에서 두개골조기유합증에 대한 두개골 기형의 컴퓨터 보조 정량화 Computer-assisted Quantification of the Skull Deformity for Craniosynostosis from 3D Head CT Image	홍헬렌 Helen Hong (Software Convergence, Seoul Women's University)
16:05-16:10	Closing Remark (김용욱 회장 President Yong Oock Kim)	