



• Field Computer graphics

• Name Kim, Sun-jeong

• Title Professor

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Education background

1998 ~ 2003 Korea University (Doctor of Science - The Department of Computer Science)

1996 ~ 1998 Korea University (Master of Science - The Department of Computer Science)

1991 ~ 1996 Korea University (Bachelor of Science - The Department of Computer Science)

Major careers

Present Director of the Support Group for Employment & Start-Up

2008 HEGA-NURI Business Team Leader

Studies & Books

- "Rendering of Unorganized Points with Octagonal Splats", LNCS (Springer-Verlag, 2006)
- "Extraction of Ridges-Valleys for Feature-Preserving Simplification of Polygonal Models", LNCS (Springer-Verlag, 2006)
- "연결 정보가 없는 포인트 데이터로부터 특징선 추출 알고리즘", 한국정보과학회논문지 (한국정보과학회, 2006)
- "A Robust Reconstruction Algorithm of Displaced Butterfly Subdivision Surfaces from Unorganized Points", LNCS (Springer-Verlag, 2003)
- "A Feature-Preserved Simplification for Autonomous Facial Animation from 3D Scan Data", LNCS (Springer-Verlag, 2003)
- "Hardware-Accelerated Real-Time Rendering for 3D Sumi-e Painting", LNCS (Springer-Verlag, 2003)
- "Surface Simplification Using a Discrete Curvature Norm", Computers & Graphics (Elsevier Ltd., 2002)
- "Optimizing 3D Triangulations Using Discrete Curvature Analysis", Mathematics Methods for Curves and Surfaces (Vanderbilt University Press, 2001)
- "미분 오차 척도를 이용한 메쉬 간략화 알고리즘", 한국정보과학회논문지, (한국정보과학회, 2004)
- "LOD 메쉬 생성을 위한 새로운 이산 곡률 오차 척도", 한국정보과학회논문지, (한국정보과학회, 2000)
- "다단계 메쉬 생성을 위한 간략화 메쉬의 계층적 계산", 한국컴퓨터그래픽스학회논문지 (한국컴퓨터그래픽스학회, 1999)
- "Differential Rendering of Unorganized Points", The 5th Korea-Israel Bi-National Conference on Geometric Modeling and Computer Graphics (2004)
- "Evolving Flying Creatures with Path Following Behaviour", The 9th International Conference on the Simulation and Synthesis on Living Systems (The MIT Press, 2004)
- "Discrete Differential Error Metric for Surface Simplification", Pacific Graphics 2002 (The IEEE Computer Society, 2002)
- "LOD Generation with Discrete Curvature Error Metric", The Korea-Israel Bi-National Conference on Geometric Modeling and Computer Graphics (1999)

| Others

•Major research fields

Computer graphics, geometric modeling, and 3D gaming graphic engine

•Affiliated Society

The Korean Institute of Information Scientists and Engineers