

비엔나공과대학 기하학적 모델링 및 산업기하학 전공  
**헬무트 포트만 교수** **특별 강연**

2016년 10월 18일(화) 오전 11시-12시

서울대학교 중앙도서관 관정관 3층 양두석 홀

문의 : 김태완 교수(02-880-8079)

APPLIED MATHEMATICS  
 IN MODERN ARCHITECTURE

**현대건축의  
 응용수학**



**Prof. Helmut Pottmann**

**발표자 약력**

- Scientific Advisor / EVOLUTE (오스트리아 건축설계회사 에볼루트)
- Professor of Geometric Modeling and Industrial Geometry, Head of Center for Geometry and Computational Design / Vienna University of Technology, Austria
- Director of the Geometric Modeling and Scientific Visualization Center/ King Abdullah University of Science and Technology, Saudi Arabia

**연구 분야**

- Geometric Modeling
- Geometry Processing
- Geometric Computing for Architecture and Manufacturing
- Computational Design
- Geometric Optimization
- Computational Differential Geometry

“Many of today's most striking buildings are nontraditional freeform shapes. While the digital design of freeform geometry with current modeling tools is well understood, the actual fabrication on the architectural scale is a big challenge, but also a rich source of research topics in geometry and geometric computing. The talk will provide an overview of recent progress in the emerging field of Architectural Geometry, elaborate on important relations to contemporary research in Geometry and Computer Graphics, and illustrate the transfer of mathematical research into the architectural practice at hand of selected projects. Finally, we will move beyond architecture and discuss mathematical aspects of computational design and the need for research at the interface of technology and design.”



사진 설명 : 동대문디자인플라자(DDP, Zaha Hadid 디자인) 설계시에 건축기하학 기술개발 제공