

08:30 – 09:30	접수 및 등록
09:30 – 09:40	환영인사 <b>ALTSOFT 김찬홍 대표</b>
09:40 – 10:30	더욱 강력해진 시뮬레이션 환경을 제공하는 COMSOL V5.4 ( COMSOL V5.4 Offering More Powerful Simulation Environment ) <b>COMSOL Denmark, Mads Jensen, Acoustic Product Manager</b>
10:30 – 11:00	포스터 세션, Demo Station 및 Coffee break
11:00 – 11:20	표면 전위 센서용 압전 액츄에이터 시뮬레이션 ( Simulation of a Piezoelectric Actuator for Surface Potential Sensor ) <b>(주)동일기연, 최문호 팀장</b>
11:20 – 11:40	리튬이차전지 설계 최적화 및 수명 예측을 위한 시뮬레이션 사례 연구 ( Case Studies on the Design Optimization and Cycle Life Prediction of Lithium Secondary Batteries ) <b>대구경북과학기술원, 이용민 교수</b>
11:40 – 12:00	클라우드를 이용한 온라인 기술지원용 가상공학 플랫폼 소개: VECTOR ( VECTOR: On-Line Simulation Service Platform Using COMSOL Multiphysics ) <b>한국세라믹기술원, 현상일 박사</b>
12:00 – 13:00	Lunch
13:00 – 13:20	이중 주파수를 이용한 기어의 유도가열에 대한 해석 ( Analysis on Induction Heating of Gears Using a Simultaneous Dual Frequency ) <b>대구경북과학기술원, 윤동원 교수</b>
13:20 – 13:40	Application Builder 기능을 활용한 제품설계 적용사례 ( Application Builder for Product Design Modification ) <b>LS 산전(주) 이상훈 책임연구원</b>
13:40 – 14:00	전기기기의 위상최적설계 ( Topology Optimization of Electromechanical Devices ) <b>광주과학기술원, 이재욱 교수</b>
14:00 – 14:20	3D 유한요소법을 이용한 원전 매설배관 부식결함 탐상기술 개발 ( Development of Technology for Detection of Corrosion Defects in Buried Pipes of Nuclear Power Plants with 3D FEM ) <b>한국전력기술(주) 김재원 연구원</b>
14:20 – 14:50	포스터 세션, Demo Station 및 Coffee break

Technical Seminar

	Acoustics	Electrical	Structural	Fluid & Heat Chemical & Electrochemistry
14:50 – 15:40	Modeling Speakers, Microphones, and Other Transducers	Modeling Capacitors, Inductors, Insulators, Coils, Motors, and Sensors	From the Conventional Structural Mechanics Analysis to Fatigue, Multibody, Rotordynamics Simulation – Part 1	Computational Fluid Dynamics: Modeling Fluid Flow Processes and Engineering Designs
	<b>COMSOL Mads Jensen</b>	<b>ALTSOFT 김철 과장</b>	<b>ALTSOFT 홍승모 차장</b>	<b>ALTSOFT 조덕래 과장</b>

15:40 – 16:40	Modeling Acoustic Propagation in Small and Large Fluid Domains	Wave Propagation and Resonance in High- Frequency Electromagnetics: Microwave and Optical Devices	From the Conventional Structural Mechanics Analysis to Fatigue, Multibody, Rotordynamics Simulation – Part 2	Chemical Reaction Engineering Analysis: Convection & Diffusion with Arbitrary Chemical Kinetics  Electrodeposition, Electrochemistry, Corrosion, and Battery for Industry Applications
	<b>COMSOL Mads Jensen</b>	<b>ALTSOFT 오세준 과장</b>	<b>ALTSOFT 박창용 과장</b>	<b>ALTSOFT 김태연 차장</b>
16:40 – 17:00	포스터 세션, Demo Station 및 Coffee break			
17:00 – 17:50	엔지니어링 모델을 기반으로 제작된 앱을 이용한 범용적 시뮬레이션 솔루션 ( Simulation for you, Simulation for everyone! ) <b>COMSOL Boston, Jiyoun Munn, Technical Product Manager</b>			
17:50 – 18:00	Closing Remarks 및 경품추첨			