

# Design the Difference with Digital twin

## Altair Technology Conference 2017

2017 September 15th | CONRAD SEOUL

Altair is pleased to announce the 2017 KOREA Altair Technology Conference. The event will take place on Friday, September 15th, 2017 at The Conrad in Seoul.

Industry leader presentations will explore how simulation continues to be driven by current disruptive trends, including Optimization, Manufacturing, MultiPhysics etc.

Technical content will be delivered by Altair customers and Altairian showcasing the latest in advanced technology.

Sessions will be divided into tracks dedicated to specific topics.



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Track	OptiStruct 1	OptiStruct 2	solidThinking (Evolve,Inspire,Compose,Activate)	RADIOSS	Pre/Post (HyperMesh,HyperView,SimLab,Automation)
12:00~13:00	Reception				
13:00~13:25	ZF Sachs Korea / LEE JongMin <b>Dynamic characteristics prediction of the damper for vehicle using AcuSolve and Optistruct</b>	DONGHEE Industrial / KIM JeongHun <b>Optimization Analysis of Rear Suspension Weight and Performance Using OptiStruct</b>	Altair / WON JongSung <b>New Alternative for Math &amp; Engineering Programming</b>	Sungwoo Hitech / CHA ChangHo <b>Automation program for Front RCAR /Box using RADIOSS</b>	HKMC / LEE ChangWook <b>A development of car body section inertia automated calculation tool based on finite element method</b>
13:25~13:50	Altair / SONG YuNa <b>OptiStruct 2017 New feature</b>	Altair / KIM HunJin <b>The proposal of Altair for Multidisciplinary Design Optimization - MDO Tools</b>	Altair / Michael Hoffmann <b>System Modeling and Simulation in the Age of Internet of Things - Requirements and Altair's Offering</b>	Altair / LEE SoHyung <b>Occupant safety tool for RADIOSS</b>	Altair / David Ravi <b>Model Verification Director (MVD)</b>
13:50~14:15	OAMI / JANG SangSu <b>Introduction to CAE Certification</b>	GM Korea / SEO YunMi <b>Study on Topology and Shape Optimization of IP Structure for PT induced Steering Wheel Vibration</b>	SL / LEE SunKeun <b>Development of optimization analysis process for designers with INSPIRE</b>	Hanwha Defense Systems / PARK JuHo <b>Study for High Impact FEM Analysis and Test Result of Armored Vehicle Structure</b>	HKMC / LEE JaeKwon <b>SimLab for Connecting rod's Quick benchmark study</b>
14:15~14:40	Altair / HWANG EuiJun <b>Noise Optimization for Fuel Pump PM Motors using HyperStudy coupled with Flux and OptiStruct</b>	Altair / KANG MinKu <b>Composite material Optimization</b>	FusionTech / KIM InMyeong <b>Topology Optimization for DFAM (Design for Additive Manufacturing)</b>	A&H structure, Dr. Rene Roy <b>Ice Modeling Methodology for Impact Analysis using RADIOSS</b>	Doosan Infracore / SONG HyeJin <b>A case of engine modeling improvement using SimLab program</b>
14:40~15:00	Coffee Break				
15:00~15:25	Hanwha Systems / PARK JaeHoon <b>Multi-function console impact analysis based on elastic platform impact response spectra</b>	KOREA POWERTRAIN / KYUNG YoonTae <b>Front-cover weight optimization through shape optimization</b>	MOBIS / YOON SukJin <b>Study for Weight lightening &amp; Robust design of chassis component with topology optimization</b>	KAI / JANG JaeHo <b>Helicopter crash simulation using RADIOSS</b>	HKMC / LEE JuHwan <b>Development of bolt thread modeling automation</b>
15:25~15:50	Altair / JEONG YeonWoo <b>Automation of the evaluation process for Optistruct analysis</b>	Altair / LEE KwangWon <b>Introduction to C123 Optimization process - C123 Tools</b>	Altair / SHIN YeRang <b>Overview of Upgraded INSPIRE and INSPIRE UNLIMITED</b>	Altair / KIM WonTaek <b>RADIOSS 2017 New feature</b>	Altair / LEE SeungHun <b>HyperMesh/HyperView 2017 New Feature &amp; New HyperWorks : Next-Generation User Interface</b>
15:50~16:15	Altair / LEE IkJoong <b>Introduction to new methodology for composite desing and analysis (ESAcamp)</b>	Hanyang Univ. / SEO MinSik & YOON JungRo <b>Window shape optimization for aeroacoustics performance</b>	Korea CAE Consulting / LEE YoungWoo <b>Casestudy of Hyundai Elevator</b>	KATRI / LEE JaeWan <b>A study on the crash simulation between personal mobility riders and other road users</b>	DONGHEE Industrial / PARK EunJin <b>Automation of Weld modeling</b>
16:15~16:40			Stratasys YOON DaeHo <b>Using 3D printing for lightweight design of Jig &amp; Fixture</b>	Hanyang Univ. / LEE YoungMyung <b>Simultaneous structural optimization considering a roof-crush test and a side impact test</b>	DYMOS / SUNG SiMin <b>Development of seat analysis automation system for task efficiency</b>
16:40~17:10	Coffee Break				
17:10~17:35	Keynote 1 : COO, Altair/ Brett Chouinard <b>Design Difference with Digital twin</b>				
17:35~18:00	Keynote 2 : CEO of Super Computing Service Center, KISTI / OH KwangJin <b>Introduction of KISTI-5 project</b>				
18:00~18:15	Sponsor presentation : Director, Microsoft Korea / MOON SooYoun <b>Utilization of Cloud for user-centric HPC</b>				
18:15~20:00	Lucky Draw & Dinner				

Track	MotionSuite	CFD (AcuSolve,nFx,uFx)	EM High-Frequency (FEKO, WinProp)	EM Low-Frequency (Flux, FluxMotor)	Manufacturing (HyperForm,Click2Series)	Enterprise (PBScloud.io,Carriots)
12:00~13:00	Reception					
13:00~13:25	TaTa Daewoo / KIM JaeYoun <b>Full Vehicle Modeling &amp; Analysis Using Truck Library</b>	Hyundai WIA / SEOL JunKee <b>A study for PTU oil churning simulation with nanoFluidX</b>	Incheon Univ. / KANG SungTek <b>Beamforming Antennas using Metamaterials</b>	HyoSung / MOON HyoungJun <b>The Performance Design and the Effect Verification of Magnetic Noise Reduction through the Analysis of Industrial HV Induction Motor</b>	HKMC / Yang JinOh <b>Analysis of structure and formability of vehicle biw structure at the early stage of design</b>	Altair / Satish.K <b>IoT solution : Introducing Carriots</b>
13:25~13:50	Altair / CHANG HyungBae <b>Stress Analysis of Gears Using MotionSolve and OptiStruct</b>	Altair / CHOI SangYeol <b>An introduction to ultraFluidX based on GPU accelerated LBM code for GT-aerodynamics</b>	Altair / LEE KwangWon <b>SimLab for FEKO</b>	Altair / KIM JaeHoon <b>FluxMotor : Introduction and Applications</b>	Altair / LEE JuSub <b>Introduction of press die optimization technique</b>	Altair / LEE SangHeon <b>BI Solution : Introducing Carriots Analytics</b>
13:50~14:15	Konkuk Univ. / KIM ChangWan <b>Optimization for Minimizing Side Load of McPherson Strut Suspension Using MotionSolve &amp; HyperStudy</b>	Kyungil Univ. / HAN KyeongHee <b>Analysis of shock absorber using AcuSolve</b>	Chungnam Univ. / YUN IckJae <b>Low-Profile Antennas : Design, Analysis and Applications</b>	KERI / CHUNG ShiUk <b>Torque Ripple Reduction Technique for Permanent Magnet Motors using Uneven Magnetic Pole Design</b>	HankukCarbon / CHOI JoonHyeok <b>A study on the analysis of prepreg forming process using HyperForm</b>	Intel / YOON SunWuk <b>AI Solution : Unleashing the next wave</b>
14:15~14:40	Altair / CHANG HyungBae <b>Case Study of MotionSolve-Activate Co-Simulation</b>	Altair / KIM DongHwan <b>CFD optimization using surface mesh morphing</b>	Konkuk Univ. / JEONG JaeGeun <b>Structural Analysis and Optimum Design of Deployable Composite Satellite SAR Antenna Reflector for Weight Reduction</b>	Altair / UM DooJong <b>Introducing Main Features of Flux and Optimal Design Methods of Motor (Minimizing Cogging Torque) using Flux and Hyperstudy</b>	MFRC / Missamrāni <b>Optimization and finite element method for acquiring dynamic recrystallization properties during forging process.</b>	Cray Korea / KG JANG <b>Technical Trend for Big HPC Architecture</b>
14:40~15:00	Coffee Break					
15:00~15:25	Hwashin / CHUNG HyunJin <b>Analysis of Characteristics of Rear CTBA Suspension Using MotionSolve</b>	HKMC / KIM JaeHyung <b>Design analysis and optimization of an automotive brake disk to reduce thermal mass</b>	Moasoft / JUNG HanKil <b>Examples of Electro-Magnetic Analysis and Temperature Analysis using FEKO</b>	KERI / Duong Minh TRUNG <b>Improvement of a Coreless Tubular Permanent Magnet Machine in Terms of Output Power Using Dual-Segment Magnets</b>	DAEWOO INDUSTRIAL R&D CENTER <b>Virtual Tryout for LWR MBR with HyperForm</b>	Lenovo Korea / CHO Sang-Min <b>Introduction of Lenovo HPC solution</b>
15:25~15:50	Altair / WON JongSung <b>MotionSolve 2017 New Features</b>	Altair / KIM DongHwan <b>An introduction to AcuSolve 2017 updates</b>	Altair / Johan Huysamen <b>Recent Developments in Altair's High Frequency Electro-Magnetic Solutions</b>	Altair / Patrick Lombard <b>E-Motor modeling: from pre-design to fine design including NVH analysis, thermal analysis, system analysis and with optimization</b>	Altair / CHEON HyunJin <b>Improve springback with die compensation</b>	Altair / MIN SungWook <b>New Product : PBScloud.io for Cloud Bursting</b>
15:50~16:15	Chasys / JEON SeungTae <b>Analysis of Shift Lever Operating Force Using MotionSolve</b>	Roh Il-Hoon <b>Material Architectonics : AcuSolve</b>	Altair / KIM JaeHoon <b>5G Antenna Design and Network Planning</b>	Texas Instruments / Steve LIM <b>BLDC Motor Controller Development with Embed</b>	Altair / KIM SungMoon <b>Introduction of manufacturing process analysis for short delivery time</b>	Altair / PARK JungHwan <b>New Product : PBS Control &amp; Access</b>
16:15~16:40	Korea Polytechnic Univ. / HWANG SangKi, KIM JeongAh <b>Analysis and Optimization of Watt's Linkage Using MotionSolve</b>	Korea Engineering Plastic Co.,Ltd & Denso Korea / JEONG YiSeok <b>Analysis of vehicle fuel pump nozzle using AcuSolve</b>	Hanyang Univ. / CHOI TaeHyuk <b>Optimization of Multi-loop On-glass Antenna for Panoramic Sun-roof</b>	Altair / WON JongSung <b>Driving Simulations of Segway using MotionSolve, Flux and Activate</b>	S&WISE / LEE SungYoon <b>Numerical Simulation on Foam Reaction Injection Molding of Polyurethane Emotional Materials</b>	Oracle / CHOI JaeWon <b>Introducing ODA for Data Management Solution</b>
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