



JEC World 2018
ESI Presentation Program

| | March 6th | March 7th | March 8th |
|----------|--|--|---|
| 10:00 AM | Damage modeling of composite materials for crashworthy applications (University of Bologna) | Accurate C-RTM modeling (ESI) | Chaining Manufacturing to evaluate Multi-Material Component Performance (ESI) |
| 11:00 AM | Thermoforming simulation of organo-sheets (ESI) | Serial production of high performance thermoplastic composite profiles – processing and simulation (TU Dresden) | Accurate C-RTM modeling (ESI) |
| 12:00 PM | Thermoplastic composite and Metal joining (AIMEN) | Optimisation of forming of dry textiles for structural composite applications (IRT M2P) | Chaining Manufacturing to evaluate Multi-Material Component Performance (ESI) |
| 1:00 PM | Accurate C-RTM modeling (ESI) | Analysis of CFRP performance Axial compression of a cylinder (ITC Hiroshima) | ESI PAM-COMPOSITES presentation (in Russian language) |
| 2:00 PM | 3D Woven composite engineering in Aerospace (BAM) | Electrical vehicle Gearbox demonstrator development (ARRK Shapers') | Process optimization for high temperature applications in aerospace (Institut Clément Ader) |
| 3:00 PM | Hybrid Twin™ by ESI in Composite Factory 4.0 (CANNON & ESI) | How does Virtual Prototyping help Gazelle Tech Developing an Innovative Composite Vehicle (GAZELLE TECH) | Sheet Molding Compound (SMC) process modeling (ESI) |
| 4:00 PM | Design of a composite Front Bumper Crush-Can System using Virtual Prototyping (USCAR) | Thermoforming simulation of organo-sheets (ESI) | |
| 5:00 PM | Big data and machine learning for performance of industrial manufacturing (ESI) | Sheet Molding Compound (SMC) process modeling (ESI) | |