CONTACT AUTHOR	ID	TITLE	SESSION	DAY	Morning/Afternonn	
Shirish Patole	4	FE Analysis and Design Optimisation of Connecting Rod of YAV35 Engine	S19	Saturday	Morning	Paper
Stefano Pieri	5	Automatic Integration in the Design and Optimization of a Microturbine Compact Recuperator	S14	Friday	Morning	Paper
Fabrizia Grande	6	MATLAB® per applicazioni bioinformatiche	S22	Saturday	Morning	Paper
Andy Morris	7	Application of FE Analysis Methods as Part of Ongoing Fitness for Purpose Assessments of High Value Assets in the UK Power Industry	S14	Friday	Morning	Paper
Michele Chiumenti	8	Numerical Tools for the Simulation and Optimization of Food Preservation Processes	S13-A	Friday	Morning	Paper
Pier Paolo De Marco	10	FE-Based Analysis for Equal Channel Angular Pressing (ECAP) of Aluminum Alloys	S13-B	Friday	Afternoon	Paper
Duncan Camilleri	11	Computationally Efficient Simulation Technique for Prediction of Out-of-Plane Distortion in Double-Sided Fillet Welding	S04	Thursday	Morning	Paper
Gabriella Toselli	12	Numerical Simulation: Tool for Setting up Laser Welding Processes for IGNITOR Void Chamber Construction	S14	Friday	Morning	Paper
Pietro De Palma	13	Particle Dynamics Simulations of Flows Inside Micro-Devices	S21	Saturday	Morning	Paper
Pierluigi Mollicone	14	Thermo-Elastic-Plastic Finite Element Models for Gas-Shielded Metal-Arc Welding Fabrication	S04	Thursday	Morning	Paper
Antonio Gravina	15	Applications of CAE tools at High Pressure Fuel Injection Systems Components for Internal Combustion Engines	S06	Thursday	Afternoon	Paper
Carmelo Ernesto Majorana	16	Conceptual Design of Innovative Heat Storage Systems for Medium and High Temperatures Solar Technology	S11-A	Friday	Morning	Paper
Clemens Groth	17	Heat Treatment Simulation with the SST Program Including Electromagnetic Induction, Microstructure Changes, TRIP and Other Effects	S20	Saturday	Morning	Paper
Danilo Bardaro	18	Numerical Modelling of Solid and Hollow FRP-Confined Concrete Members	S16	Friday	Afternoon	Paper
Steven Cooreman	19	Determination of the Elasto-Plastic Material Properties by Inverse Methods	S15	Friday	Morning	Paper
Fabio Bozza	20	The Reduction of the Gasdynamic Noise Emitted by a Single Cylinder Diesel Engine: 1D-3D Analyses and Optimization	S07	Thursday	Afternoon	Paper
Yoshimasa Kadooka	21	Development of Grid Middleware CyberGRIP and its Applications to Computer Aided Design	S09	Thursday	Afternoon	Paper
Christoph Reichl	22	Aero-Acoustic Characterization of Flow Phenomena by Analysing Dipolar and Quadrupolar Sound Sources	S07	Thursday	Afternoon	Paper
Ivan De Mitri	23	MAGIC-5: Medical Applications on a Grid Infrastructrure Connection	S22	Saturday	Morning	Paper
Stefano Magistrali	24	Impact Tests Simulation of Sandwich Laminates and Validation by Robust Design Techniques	S16	Friday	Afternoon	Paper
Michela Costa	25	Multidimensional Modelling of Detailed Kinetics of Combustion in a Common Rail Diesel Engine and Experimental Validation	S06	Thursday	Afternoon	Paper
Daniela Siano	26	FE Fluid-Structure Interaction/Experimental Transmission Loss Factor Comparison of an Intake System of a SI Engine	S06	Thursday	Afternoon	Paper
Pasquale Lamari	29	Application of CFD to the Dispersion Analysis in an Off-Shore Platform Project	S01	Thursday	Morning	Paper
Matteo Benedetti	30	A Multibody Model-Dynamical Optimization for the Ground Testing of a Scientific Space Mission Critical Phase.	S08	Thursday	Afternoon	Paper
Lee Margetts	32	RapidFire: A Novel Grid Enabled Application for Interactive Finite Element Analysis	S17	Friday	Afternoon	Paper
Shoufeng Hu	33	On the Ice Impact to an Impeller Rotor	S02	Thursday	Morning	Paper
Antonio Fasano	34	Frying Processes: a Challenge for Mathematical Modelling	S13-A	Friday	Morning	Paper
Anna Eva Morabito	35	Optimization of a Composite Material Riveted Joint	S16	Friday	Afternoon	Paper
Giorgio De Nunzio	36	Lung Parenchima Segmentation in CT Scans as a Preprocessing Step for Automatic Nodule Detection	S22	Saturday	Morning	Paper
Yasuo Marumo	37	Effects of Flow Stress of Solid Lubrificants on Tribological Conditions in Cold Forging	S15	Friday	Morning	Paper
Yasuo Marumo	38	Invesitgation on Contact Conditions of Electrically Testing Probe in Probe Card Tests	S23	Saturday	Morning	Paper
Pauli Leppanen	39	FE Analysis of Cylindrical Composite Structures	S16	Friday	Afternoon	Paper
Janis Auzins	40	Sequential Metamodeling Techniques for Structural Optimization	S10	Thursday	Afternoon	Paper
Giuseppe Stringano	41	Turbulent Thermal Convection Over Non-Flat Surfaces.	S03	Thursday	Morning	Paper
Takashige Oroguchi	42	Problem Solving Environment for Systems of Genome Analysis on Grid	S22	Saturday	Morning	Paper
Tony Bromwell	43	Adding Intelligence to the CAE Process – An Overview of the Intelligent CAE Portal	S05	Thursday	Morning	Paper
Francesco Pinto	47	Geometrical Parameterization and Multiobjective Optimization of Periodic Convective Channels	S10	Thursday	Afternoon	Paper
Matteo Ledri	48	Multi-Objective Optimization of an America's Cup Class Yacht Bulb	S01	Thursday	Morning	Paper
Trevor Robinson	49	Automated Dimensional Reduction for the Finite Element Modelling of Sketch based CAD Components	S17	Friday	Afternoon	Paper
Lars Arnberg	50	Experimental Support for Solidification Models	S13-B	Friday	Afternoon	Paper
Marinella Marconi	52	Characterisation of Marine Pipelines Behaviour During Fabrication Process and in Laying Conditions	S03	Thursday	Morning	Paper
Roberto Citarella	53	Simulazione numerica col Metodo degli Elementi di Contorno del rumore emesso da una centralina idraulica	S07	Thursday	Afternoon	Paper
Antonio Cristallo	54	Numerical Simulation of the Flow in a Mechanical Heart Valve	S21	Saturday	Morning	Paper
Giuseppe Leonardo Cascella	57	On-line Hybrid EAs for Auto-tuning of DC Motor Drives	S08	Thursday	Afternoon	Paper
Ian McLuckie	58	Faster Real World CAE Solutions with OOD Iintegrated Knowledge Based Systems	S09	Thursday	Afternoon	Paper
Sanjay Khattri	59	An Alternative to Laplacian Smoothing	S08	Thursday	Afternoon	Paper
Stephane Pierret	61	Multi-Disciplinary Optimisation for Aeronautic Applications	S08	Thursday	Afternoon	Paper
Samanta Chiozzi	62	Data Exchange Problems in the Geometrical Optimization of Turbine-Blade Mock-Up	S09	Thursday	Afternoon	Paper
Marco Actis Grande	63	Computer Simulation of the Investment Casting Process: Experimental Validation	S18	Friday	Afternoon	Paper
Arturo de Risi	64	Choosing an Evolutionary Algorithms to Optimize Diesel Engines	S14	Friday	Morning	Paper
Arturo de Risi	65	ModeFrontiers for FCV Control Strategy	S14	Friday	Morning	Paper

Mario Antonio Francese	66	Food Packaging Optimization by means of Integrated CAD/CAE and Statistical Techniques	S13-A	Friday	Morning	Paper
Antonio Paolo Carlucci	67	Neural network for modeling and optimization of internal combustion engines	S06	Thursday	Afternoon	Paper
Paola Cinnella	68	Numerical Simulatons of Dense Gas Flows in Turbomachinery	S03	Thursday	Morning	Paper
Riccardo Testi	69	FEM analysis of a CVT pulley	S20	Saturday	Morning	Paper
Maria Grazia De Giorgi	70	Application of Multiphase CFD Modeling to Naval Design in Presence of Cavitation	S01	Thursday	Morning	Paper
Massimo Paolotti	71	Preloaded Spring Analysis for One-Way Clutch Bearing	S12	Friday	Morning	Paper
Michele Bignotto	72	DUAL Detectors and Leverage Amplifiers.	S23	Saturday	Morning	Paper
Luciano Afferrante	73	Recent Advances in Thermo-Elastic and Thermo-Elasto-Dynamic Contact	S19	Saturday	Morning	Paper
Francesco Linares	74	Application of AdvantEdge™ and modeFrontier™ for Optimization of Jet Engine Components Turning Process.	S11-A	Friday	Morning	Paper
Cristina Randazzo	75	How to Increase Efficiency and Reliability of Current MDO Approaches Using the Best Statistical Methods	S09	Thursday	Afternoon	Paper
Vincenzo Stirparo	76	Drop Test Analysis on a Cellular Phone	S16	Friday	Afternoon	Paper
Daisuke Sasaki	77	Multiobjective Optimization of a Compressor Stage by ARMOGA	S08	Thursday	Afternoon	Paper
Cornelia Kober	80	Refined Structural Mechanics Simulation of a Human Mandible at the Edge of Clinical Application	S21	Saturday	Morning	Paper
Dubravka Mijuca	82	On a Problem of a Reliable Thermo-Mechanical Numerical Simulation of a Solid Bodies	S12	Friday	Morning	Paper
Nicola di Vico	83	On the Development of CFD Method for Windshield Temperature Prediction	S01	Thursday	Morning	Paper
Beatrice Belletti	84	A NLFE Method for the Analysis of SFRC Structures	S04	Thursday	Morning	Paper
Antonio Ghidoni	86	Anisotropic Unstructured Grid Generation	S08	Thursday	Afternoon	Paper
Andrew Mckinlay	88	A Study of the Vehicle Handbrake Rollaway Phenomenon	S04	Thursday	Morning	Paper
Wisam Abu Jadayil	89	Fatigue Life Investigation of Solid and Hollow Cylinders under Pure Normal Loading	S12	Friday	Morning	Paper
Stefano Garbin	90	Multi-objective Optimisation of the Constructive Parameters of a Multifunctional Gas Control for Tumble Dryers.	S10	Thursday	Afternoon	Paper
Paolo Mario Coeli	91	Integrated CAE Approach in Vehicle Design at Fiat Research Centre	S06	Thursday	Afternoon	Paper
Ubaldo Barberis	92	Creep Life Assessment for Ceramics and ANSYS Constitutive Laws	S19	Saturday	Morning	Paper
Lorenzo Lafronza	93	Advanced Computer Aided Linear Optimization For Noise Radiation	S08	Thursday	Afternoon	Paper
Paolo Monti	94	The Post-buckling Structural Design of Submarine Pipelines	S03	Thursday	Morning	Paper
Andrei Dorochenko	95	Integration of Grid Generation and Electrochemical Engineering Simulation Software in a CAD Environment	S05	Thursday	Morning	Paper
Nataliya Paulianok	96	Optimal On-line Control via Dynamic Regulators	S08	Thursday	Afternoon	Paper
Wolfgang Leidholt	98	Planning in the Age of Virtual Reality	S23	Saturday	Morning	Paper
Thomas Nelson	99	Aspects of the Used Element Type for a Finite Element Modelling of Thin Walled Structures	S19	Saturday	Morning	Paper
Waldir Gonçalves	100	Guidelines for a Virtual Product Development Environment Aimed at Effective Value Generation	S02	Thursday	Morning	Paper
Vladimir Chudanov	101	“Grid Office” for Orthogonal Grid Generation with CAD for CFD Calculations	S17	Friday	Afternoon	Paper
Lorenza Ferrario	102	Numerical Simulation: Critical Aspects in Microsystem Fabrication	S18	Friday	Afternoon	Paper
Luca Chinello	103	Calculation of the Hydraulic Performance of a New DAB Circulating Pump	S20	Saturday	Morning	Paper
Laura Socci	104	Computer Simulations of Vascular Districts Based on Clinical Images: An Application to the Total Cavopulmonary Connection	S22	Saturday	Morning	Paper
Francesca Gervaso	105	A Combined Numerical-Experimental Approach to Identify Human and Engineered Cartilage Biomechanical Properties	S21	Saturday	Morning	Paper
Maria Aversa	106	A FEM Analysis of Vegetables Drying Process	S13-A	Friday	Morning	Paper
Marcela Cid Alfaro	107	Delamination and Crack Propagation in Fibre-Metal Laminates	S16	Friday	Afternoon	Paper
Mario Cioeta	109	Numerical Simulation of a Shock Attenuation System for UAV	S20	Saturday	Morning	Paper
Mario Ricotta	110	Fatigue Life Assesement of Bonded Joints in Composite Materials	S16	Friday	Afternoon	Paper
Gianluca Mattogno	111	Swirl System Mechanical Design Optimization by FEM Analysis	S10	Thursday	Afternoon	Paper
Elio Bergamaschi	112	Digital Simulation in a PLM Integrated Environment in the Transportation Market: Passengers Safety lies in Every Component	S17	Friday	Afternoon	Paper
Luca Ambrosoni	114	Nonlinearities in the Design of a Hydrostatic Journal Bearing	S15	Friday	Morning	Paper
Manuel Russo	115	A Method to Apply Topology Optimization to the Machine Tool Field for Contemplating Various Restraint Conditions	S10	Thursday	Afternoon	Paper
Luciano Moncini	116	Simulation of Load Tests on a New Textile Machine for Crimping of Synthetic Fibres	S20	Saturday	Morning	Paper
Derek Sweeney	119	Internet Delivery of Medical Device Simulation	S09	Thursday	Afternoon	Paper
Giuseppe Frisoni	120	Exploiting Experiential Knowledge for Enhanced CAD Design	S05	Thursday	Morning	Paper
Luca Cavalli	121	Coupled Thermal Fluid-Dynamic Analysis of a Water-Gas Heat Exchanger for Domestic Boilers	S10	Thursday	Afternoon	Paper
Pietro Asinari	122	Reconstruction of Three Dimensional Microscopic Structures Using Multiple–Point Statistics for Porous Anodes of Solid Oxide Fuel Cells	S18	Friday	Afternoon	Paper
Francesco Franchini	123	Response Surface Modelling Method Applied to Experimental Data for Oven Efficiency Optimization	S09	Thursday	Afternoon	Paper
Giuseppe Miccoli	124	NAFEMS: Numeric Simulation & Virtual Prototyping for Enterprises and Academic World	S18	Friday	Afternoon	Paper
Laura Vallone	125	Semantic Driven Computational Electromagnetics: an Application to CAE of Aperture-Array Antennas	S05	Thursday	Morning	Paper
Kevin Brown	127	Finite Element Analysis of Impact Damage in Thermoplastic Composite Materials	S16	Friday	Afternoon	Paper
Andy Kendall	128	Analysis Model Deployment with EASA Software	S19	Saturday	Morning	Paper
Giuseppe Nocerino	129	New Polymer Based Nanocomposites in Automotive Applications: A Virtual Simulation Approach	S06	Thursday	Afternoon	Paper
Michele De Cosmo	130	Springback Evaluation on a Deep Drawn HSS Automotive Front Rail	S12	Friday	Morning	Paper

Carlo Colandrea	131	Integrated System/SW development process for the Command and Control of an Air Defence Weapon System	S02	Thursday	Morning	Paper
Gennaro Monacelli	132	Human Machine Interface Simulation in Virtual Reality Environment	S09	Thursday	Afternoon	Paper
Giovanni Meneghetti	133	The Local Approach Combined with a FE Modeling Technique for Fatigue Analysis of a Steel Tubular Fillet-Welded Joint	S12	Friday	Morning	Paper
John Pohl	134	The Challenge of Predicting the Emissions from Industrial Flare Flames	S07	Thursday	Afternoon	Paper
John Pohl	135	The Ability of CFD Models to Predict the Emissions of NOx from a Utility Coal FLame	S07	Thursday	Afternoon	Paper
Giuseppe Sterlino	136	Innovative Strategy Based on Multi-Objective Optimization for the Design of Structural Components of Machine Tools Built with Composite Materials.	S09	Thursday	Afternoon	Paper
A. Erman Tekkaya	137	State of the Art of Simulation in Metal Forming	S13-B	Friday	Afternoon	Paper
Giuseppe Tesolin	138	Coupled ModeFRONTIER/FIRE Approach for I-C Engine Intake Port Optimization	S06	Thursday	Afternoon	Paper
Vesselin Stoilov	139	Extended Finite Element (X-FEM) Simulation of Crack Propagation in Al-Si alloys	S04	Thursday	Morning	Paper
Vincenzo Petrella	140	Virtual Evaluation of Occupant Protection in Interior Impact	S23	Saturday	Morning	Paper
Pasquale Lucia	141	Structural Optimization of Steel-Glass Domes by Evolutionary Algorithms	S10	Thursday	Afternoon	Paper
Carmine Di Martino	142	Analisi e simulazione della lubrificazione di un motore attraverso l'integrazione di due codici di calcolo	S15	Friday	Morning	Paper
Armin Fritsch	143	Some Remarks on Interconversions of Viscoelastic Data Within the Time and Frequency Domain	S18	Friday	Afternoon	Paper
Franz Koch	144	Optimization of a Segment of the Main Mirror for the "OWL" Telescope	S10	Thursday	Afternoon	Paper
Gennaro Monacelli	145	Virtual Product Development as a Competitive Tool to Improve Performance in Automotive Industry	S06	Thursday	Afternoon	Paper
Domenico Santoro	146	CFD Modeling of Wastewater Disinfection Process by Peroxyacetic Acid (PAA)	S11-A	Friday	Morning	Paper
Marco Spagnolo	147	Calibration and Validation of Ls-Dyna Composite Material Models, by ModeFRONTIER Optimisation Tool.	S16	Friday	Afternoon	Paper
Giuliano Cammarata	148	Numerical Simulation of a Swirling Jet Expanding Inside a Combustion Reactor	S07	Thursday	Afternoon	Paper
Giuliano Cammarata	149	A Numerical Investigation on the Thermo-dynamical Behavior of a Flameless Combustion Reactor	S07	Thursday	Afternoon	Paper
Pramod Mahajan	150	Modelling and Design of Modified Atmosphere Packages for Fresh and Fresh-Cut Produce	S13-A	Friday	Morning	Paper
Enrico Toffi	152	Aerodynamic Numerical Predictions of Anti-Tactical Balistic Missile Interceptor	S02	Thursday	Morning	Paper
Nadia Ucciardello	153	Optimization of Hot Extrusion Process Using an Artificial Neural Network	S13-B	Friday	Afternoon	Paper
Ernesto Monaco	154	Interior Active Noise Control in Turbofan Aircraft: Dynamic Characterization of the Test-Article and Numerical Simulation for Optimal Actuators Positioning	S07	Thursday	Afternoon	Paper
Wolfgang Puntigam	155	Integrated Virtual Process Chain Thermal Simulation as an Example	S05	Thursday	Morning	Paper
Luigi Federico	159	Rotorcraft Optimization Procedures using ESTECO/ModeFrontier	S02	Thursday	Morning	Paper
Paolo Pin	161	Evolution of Risk Preferences	S08	Thursday	Afternoon	Paper
Giuseppe Miccoli	163	Wheel Loader Cab Vibro-Acoustic Optimisation: Comparison Between MOGA and Game Theory Strategies	S07	Thursday	Afternoon	Paper
Alfredo Soldati	164	Droplet and Particle Behavior in Turbulent Flow Fields: Physics and Modelling in Industrial Applications	S03	Thursday	Morning	Paper
S.Hakan Oka	165	Crimping Simulation of a Fuel Cartridge Endplate Involving Elastoplastic and Hyperelastic Materials	S15	Friday	Morning	Paper
Luc Flambard	166	A Hardware in the Loop (HIL) Model Development and Implementation Methodology and Support Tools for Testing and Validating Car Engine Electronic Control Unit (ECU)	S11-A	Friday	Morning	Paper
Chang Chia -Fu	167	A Bistable Twisted Nematic Liquid Crystal Cell for Liquid Crystal	S23	Saturday	Morning	Paper
Leonardo Lecce	170	A Numerical Study for a Windbreak Barrier at the Fincantieri Naval Shipyards at Castellamare di Stabia (Naples).	S01	Thursday	Morning	Paper
Andrew Chinn	171	The Challenges of CAD-CAE Integration and Future Developments	S09	Thursday	Afternoon	Paper
Raffaele De Amicis	172	CSSIR: Car Blueprints Images Retrieval Using Sketch and Spatial Information	S06	Thursday	Afternoon	Paper
Peter Van Vooren	181	Multi-Disciplinary Optimization with OPTIMUS: Real-Life Practical Applications from Automotive Industry	S11-B	Friday	Afternoon	Paper
P. C. Brooks	183	The Integration of Structural Optimisation with Fatigue Life	S11-B	Friday	Afternoon	Paper
R. Ruimerman	184	A Computational Theory to Explain Morphogenesis and Maintenance of Trabecular and Cortical Bone as Effects of Stress Transfer	S21	Saturday	Morning	Paper
Giuseppe Forasassi	L03	Studio Teorico Sperimentale di un limitatore di impatto per veicoli da competizione	S11-B	Friday	Morning	Paper
Gianfranco Frontini	L04	Alternatives of Virtual Prototyping: CAE and Digital mockups	S11-B	Friday	Morning	Paper
Renato Guerriero	L05	Sugj: sistema intelligente di controllo culture	S11-A	Friday	Afternoon	Paper