

8:15	REGISTRATION & REFRESHMENTS		
9:00	OPENING REMARKS		
9:10	WELCOME FROM ANSYS CHRIS REID , Vice President Marketing, ANSYS, Inc., USA		
9:25	SIMULATION – SHAPING THE FUTURE OF FORMULA 1 WILLEM TOET , BMW Sauber F1 Team, Hinwil, Switzerland		
9:55	EXPANDING THE USE OF CFD IN HEAVY TRUCK DEVELOPMENT RON SCHOON , International Truck and Engine Corporation, Fort Wayne, Indiana, USA		
10:25	INTEGRATING VIRTUAL SIMULATION IN THE PRODUCT DEVELOPMENT PROCESS ALLAN WANG , Modine Manufacturing Company, Racine, Wisconsin, USA		
10:55	REFRESHMENTS IN EXHIBITION AREA		
11:30	CORPORATE UPDATE – VISION, STRATEGY AND TECHNOLOGY CHRIS REID , Vice President Marketing, ANSYS, Inc., USA DIPANKAR CHOUDHURY , Chief Technology Officer, ANSYS, Inc., USA		
12:45	LUNCH IN EXHIBITION AND POSTER AREA		
	HALL A	HALL B	HALL C
	Management Round Table	Manufacturing Session	Workshop on Formula Racing
14:00	THE NEED FOR SPEED – INVITED EXPERTS DISCUSSING HIGH PERFORMANCE COMPUTING IN THE AUTOMOTIVE INDUSTRY Francesco Torricelli , AMD Manfred Buddrus , HP Wolfgang Dreyer , Microsoft Stan Posey , Panasas Willem Toet , BMW Sauber F1 Team Dipankar Choudhury , ANSYS, Inc. Chair: Keith Hanna , ANSYS Europe, UK	MODELING OF THE GENERAL MOTORS EUROPE CAVITY WAXING PROCESS Oliver Lenhart, Norman Knapp, Heinz Pfeifer , Adam Opel GmbH, Rüsselsheim, Germany	DESIGNING OPEN WHEEL RACING CARS Contributions from: Peter Gulberg , Chalmers University, Göteborg, Sweden David Masegur , University of Milano, Italy Ricard Gonzalez , University of Barcelona, Spain Karim Elwan , University of Munich, Germany Romano Kess , University of Schweinfurt, Germany Chair: Marco Lanfrit , ANSYS Germany
14:25		NUMERICAL SIMULATION OF SPRAY-PAINTING USING HIGH-SPEED ROTARY BELL ATOMIZERS Qiaoyan Ye, K. Pulli, T. Steinhilber, A. Scheibe , Fraunhofer Institute for Manufacturing Engineering and Automation (IPA), Stuttgart, Germany	
14:50		NUMERICAL SIMULATION OF HVOF SPRAYING WITH CERAMIC POWDERS Esther Dongmo, M. Wenzelburger, R. Gadow , Institute for Manufacturing Technologies of Ceramic Components and Composites, University of Stuttgart, Germany	
15:15		IMPROVING THE ACCURACY OF INJECTION MOULDED PLASTICS PARTS Andreas Schmedding , Moldflow Vertriebs-GmbH, Germany	
15:40	REFRESHMENTS IN EXHIBITION AND POSTER AREA		
	Underhood Thermal Management Session	Lighting and Radiation Session	Technology Focus Session
16:20	RADIATOR EXCHANGE SURFACE MODELING AND OPTIMIZATION Nicolas Francois, Mugurel Stanciu , Valeo Engine Cooling, La Verrière, France	USABILITY OF CFD FOR THE DEVELOPMENT OF TAIL AND HEAD LAMPS Viktor Bader, Johannes Neft , Volkswagen AG, Wolfsburg, Germany Martin Kleimeyer, Ricardo Deutschland GmbH	MULTIDISCIPLINARY SIMULATION OF AN EXHAUST GAS COMPONENT USING WORKBENCH Volker Bäumer , CADFEM GmbH, Grafing, Germany
16:45	NUMERICAL SIMULATION OF AEROACOUSTICS AT HEAT EXCHANGERS Jens Scheffermann, Jörg Leuschner, Andreas Strehlow , AKG Verwaltungsgesellschaft mbH, Hofgeismar, Germany	HEAT TRANSFER ANALYSIS ON A MOTORCYCLE HEADLAMP Cesareo de La Rosa Siqueira, Martin Kessler, Regis Silvestre da Costa Ataides, José Orlando Delgad , Engineering Simulation and Scientific Software, Sao Paulo, Brazil	COUPLED MAGNETIC/HYDRODYNAMIC VALVE ANALYSIS Udo Killat , CADFEM GmbH, Grafing, Germany
17:10	SIMULATION OF UNDERHOOD THERMAL ENVIRONMENT Takumi Hasegawa, Toru Komoriya , Subaru Technical Research Center, Fuji Heavy Industries Ltd., Ota, Japan	THERMAL MANAGEMENT IN AUTOMOTIVE REAR LAMPS Antonio Filipuzzi , Centro Ricerche FIAT PlastOptica, Amaro, Italy	OPTIMIZATION IN VIRTUAL PRODUCT DEVELOPMENT Pierre Thieffry , ANSYS France
17:35	AUTOMATIC OPTIMIZATION OF AUTOMOTIVE DESIGNS USING MESH MORPHING Francisco Campos, ICON, London, UK, Paolo Geremia, ESTECO UK, London, Evangelos Skaperdas, BETA CAE Systems SA, Thessaloniki, Greece	AUTOMATED COUPLING OF CFD AND RADIATION Christian Rauch, Thomas Hörmann, Sebastian Jagsch, Raimund Almbauer , The Virtual Vehicle Research Center GmbH, Graz, Austria	OPTIMIZATION OF GASKETS BASED ON PARAMETRIC GEOMETRIES Rainer Rauch , CADFEM GmbH, Grafing, Germany
18:00	REFRESHMENTS		
18:30	DEPARTURE OF BUSES TO THE EVENING EVENT		
23:00	END OF 1ST DAY		

POSTER PRESENTATIONS IN THE EXHIBITION AREA

A FEASIBILITY STUDY FOR AN ADJUSTABLE WINDSHIELD FOR A MOTOR SCOOTER Marco Argento, Paolo Conti , University of Perugia, Italy; M.D.Santucci, Piaggio S.p.A., Italy	PREDICTION OF AERODYNAMIC DRAG OF A CAR WITH IMAGE BASED MODELING AND CFD SIMULATION Vivek Yakkundi, S.Mantha , Department of Mechanical Engineering, University of Mumbai, India	AERODYNAMICAL MODIFICATION OF A FORMULA ONE CAR FOR IMPROVED OVERTAKING Milad Mafi, Transtec AG, Tübingen, Germany
CFD STUDY ON POLLUTANT DISPERSION IN THE NEAR WAKE OF AN AHMED MODEL CAR Tiberiu Barbat, Virtual-Ing SRL, Bucharest, Romania	VARIATION IN THE PREDICTED DRAG OF A CAR DUE TO DIFFERING TURBULENCE CLOSURE SCHEMES Vivek Yakkundi, S.Mantha , Department of Mechanical Engineering, University of Mumbai, India	ANALYSIS OF THE WINDSHIELD DEFROST OF A ROAD VEHICLE Ricard Gonzalez-Cinca , Department of Applied Physics, University of Catalonia, Barcelona, Spain
THE EFFECT OF WHEELS ON THE AERODYNAMIC CHARACTERISTICS OF AN AHMED BODY Tamas Regert, Tamas Lajos , Department of Fluid Mechanics, Budapest University of Technology, Hungary, Attila Schwarzkopf, SIMGRID Ltd., Hungary	STEADY RANS PERFORMANCE ANALYSIS IN MODELING 3D SEPARATED FLOW AROUND AHMED REFERENCE MODEL Ignazio Viola , Department of Mechanical Engineering, University of Milano, Italy	USING CFD IN THE DESIGN OF A MODEL SCALE RADIATOR David Söderblom, Lasse Christoffersen, Lennart Löfdahl , Chalmers University of Technology, Göteborg, Sweden

HALL A	HALL B	HALL C
8:30	ACCELERATING CAE WORKLOAD THROUGH GRID ADOPTION Chris Dudding, Platform Computing, Bramley, UK	EFFICIENT TOPOLOGY AND SHAPE OPTIMIZATION Pascal Häussler, FE-Design GmbH, Germany
Thermal Comfort Session	Multiphase Flow Session	Technology Focus Session
8:50	THE USE OF CFD TO IMPROVE THE THERMAL COMFORT IN AUTOMOTIVE FIELD Giovanni Lombardi, M. Maganzi, Department of Aerospace Engineering, University of Pisa, Italy F.Cannizzo, G. Solinas, Ferrari S.p.a., Maranello, Italy	F1 FUEL TANK SLOSHING MODEL VALIDATION Luca Botazzi, Giorgio Rossetti, Ferrari F1 Team, Maranello, Italy
9:15	CFD CABIN FLOW ANALYSIS USING A PARAMETRIC CABIN MODELLER Christian Proksch, Frederic Guilbaud, Friedrich Brotz, Wolfram Kühnel, Behr GmbH & Co., Stuttgart, Germany	TURBULENCE MODELING FOR AUTOMOTIVE APPLICATIONS Florian Menter, ANSYS Germany Fabrice Mathey, ANSYS France Davor Cokljat, ANSYS Europe, UK
9:40	REYNOLDS EFFECTS IN COOLING AIRFLOW – A CFD APPROACH Lasse Christoffersen, Lennard Löfdahl, Chalmers University, Sweden Anders Jönson, Volvo Car Corporation, Göteborg, Sweden	SIMULATION OF CAVITATING FLOW IN VANE PUMPS Steffen Hain-Würtenberger, ixetic Bad Homburg GmbH, Germany
10:05	TRANSIENT DUST LOAD SIMULATION FOR AIR CLEANER SYSTEMS Bernhard Huurdeman, MANN + HUMMEL GmbH, Ludwigsburg, Germany	RAIN WATER MANGEMENT AND SIMULATION OF DIRT ACCUMULATION Thomas Lehnhäuser, ANSYS Germany Adam Anderson, ANSYS Europe, UK
10:30	3D SHAPE OPTIMIZATION OF AN HVAC DUCT Mike Salari, Mark Dorodian, Mindware Engineering, Inc., Novi, Michigan, USA	CFD-BASED DEVELOPMENT OF OIL DROPLET SEPARATORS IN CRANKCASE VENTILATION SYSTEMS Steffen Schütz, G. Gorbach, Manfred Piesche, Institut für Mechanische Verfahrenstechnik, University of Stuttgart, Germany
REFRESHMENTS IN EXHIBITION AREA		
Aerodynamics Session 1	Powertrain Session 1	Technology Focus Session
11:05	COMBINED USE OF CFD AND WIND TUNNEL TO DEVELOP A LE MANS PROTOTYPE Alexis Lapouille, Aero Concept Engineering, Magny-Cours, France	AUTOMATIC OPTIMIZATION OF CYLINDER HEAD COMPONENTS IN THE POWERTRAIN DESIGN PROCESS Matthias Karch, Markus Full, Bodo Durst, BMW AG, München, Germany
11:30	PARAMETRIC DESIGN OPTIMIZATION WITH OPTIMUS AND FLUENT FOR CATIA Maximilien Landrain, Hans Wynendaele, Gaëtan Van den Bergh, Noesis Solutions, Leuven, Belgium	THE IMMERSED BOUNDARY APPROACH: A RAPID, AUTOMATED TOOL FOR PRELIMINARY DESIGN FLOW SIMULATION Gianluca Iaccarino, Stanford University, CA, USA
11:55	ANALYSIS OF OVERTAKING MANOEUVRE Francesco Fiumara, Dallara Engineering S.r.l., Varano Melegari, Italy	OVERVIEW ON ADVANCED WRAPPING AND MESHING TECHNOLOGY Marco Oswald, ANSYS Germany
12:20	AERODYNAMIC OPTIMIZATION OF A SPEED BIKE Ralf Siber, Frank Werner, Adam Opel GmbH, Rüsselsheim, Germany G. Mertens, VRT-Speedbike e. V., Bergisch Gladbach, Germany	A GENERAL APPROACH FOR MOVING AND DEFORMING MESHES Michael Ehlen, ANSYS Germany
12:45	FUEL REDUCTION FOR A TRACTOR-TRAILER TRUCK AT IVECO Davide Lucarelli, L. Consano, M. Colombano, IVECO S.p.A., Torino, Italy	SIMULATION OF IN-CYLINDER FLOW AND COMBUSTION Wolfgang Bauer, ANSYS Germany
LUNCH IN EXHIBITION AREA		
Aerodynamics Session 2	Powertrain Session 2	Technology Focus Session
14:00	MPCCI – THE GENERAL CODE COUPLING INTERFACE Carsten Brodbeck, Fraunhofer Institute for Algorithms and Scientific Computing (SCAI), Sankt Augustin, Germany	RAPID FLOW MODELING FOR PLM: FLUENT FOR CATIA V5 Laurent Collonge, ANSYS France
14:25	AUTOMATED CAD-BASED CFD-OPTIMIZATION AND APPLICATIONS IN DIESEL ENGINE DESIGN Zoltan Horvath, Tamas Morauszki, Krisztian Toth, Szechenyi Istvan University, Hungary	ELECTRONIC COOLING WITH ICEPAK: CASE STUDY OF A CONTROL UNIT Evgenii Rudnyi, CADFEM GmbH, Grafing, Germany
14:50	NUMERICAL ANALYSIS OF OIL FLOW AND NOISE IN A POWER STEERING PUMP Regis Silvestre da Costa Ataides, Cesareo de la Rosa Siqueira, Martin Poulsen Kessler, ESSS, Sao Paulo, Brazil Leonardo Lessa, DHB Automotive Parts, Brazil Laz Foley, Ashok Kondge, ANSYS, Inc., USA Ann Arbor, Michigan, USA	MODELING DIESEL PARTICULATE FILTERS Rolf Reinelt, ANSYS Germany Yong Yi, ANSYS, Inc., USA Ann Arbor, Michigan, USA
15:15	COMBINED APPLICATION OF CFD AND WIND TUNNEL – BENEFITS AND RISKS Timo Kuthada, Stefan Wille, FKFS, University of Stuttgart, Germany	SIMULATION IN INDIVIDUAL CHANNELS OF A PARTICULATE FILTER Jindrich Knourek, David Láviccka, Jiri Polanský, University of West Bohemia, Pilsen, Czech Republic
15:40	UNSTEADY SIMULATIONS OF THE FLOW AROUND A PASSENGER VEHICLE EXPOSED TO CROSSWIND Fabrice Mathey, Yannik Ducret, ANSYS France Alexis Scotto d'Apollonia, Stephane Contini, PSA Peugeot Citroën, Velizy Villacoublay, France	
16:15	REFRESHMENTS IN EXHIBITION AREA	
16:40	AWARDS & CLOSING REMARKS	
17:00	INDIVIDUAL DISCUSSIONS & FAREWELL	
	END OF EACC 2007	