

XIX Congresso Aimeta - Ancona 14-17 settembre 2009				
Sessione	giorno/aula	orario	autori	titolo
Conferenze generali				
	lunedì 14 aula magna	9.50-10.35	J.J. Marigo	From initiation of cracks to fatigue: some fundamentals contribution of the variational approach to fracture
	martedì 15 aula magna	9.00-9.40	G. Pedrizzetti	Cardiac Fluid Mechanics: from theory to clinical applications
	martedì 15 aula magna	12.00-12.35	P. Faraldi	Innovation process in Household Appliances segment: Issues and Opportunities
	mercoledì 16 aula magna	9.00-9.40	G. Del Piero	The Variational Approach to Fracture and to Other Inelastic Phenomena
	mercoledì 16 aula magna	12.00-12.35	G. Rivetti	Gestione e progetti della filiera nautica
	giovedì 17 aula magna	11.00-11.45	G. Stepan	Balancing and vision - or The dynamics of poise
Meccanica generale				
GE-01	lunedì 14 16.30-18.30 aula 155/D2	16.30-16.50	F. Cheli, R. Manigrasso, F.L. Mapelli, D. Tarsitano	Object oriented model for Plug-in Hybrid Electrical Vehicle
		16.50-17.10	V. Mallardo, C. Alessandri, F.M.H. Aliabadi	An adaptive fast multipole boundary element method for the Helmholtz equation
		17.10-17.30	A. Montanaro	Some general theorems of incremental thermoelectroelasticity
		17.30-17.50	G. Zavarise, L. De Lorenzis	The contact patch test for linear contact pressure distributions
GE-02	martedì 15 10.00-12.00 aula 155/D2	10.00-10.20	A. Luongo	Parameter-dependent normal forms for bifurcation equations of dynamical systems
		10.20-10.40	S. Magheri, E. Meli, S. Papini, M. Rinchì	An innovative elastic wheel-rail contact model
		10.40-11.00	A. Contento, A. Di Egidio, A. Tatone	Impact, bouncing and motility
		11.00-11.20	G. Frosali, F. Ricci	A nonlinear mathematical model for a bicycle
		11.20-11.40	G. Busoni, L. Prati	Some remarks on a system modeling the cosmic rays balance
Meccanica dei fluidi				
FL-01 (Fluidi complessi e trasmissione del calore)	lunedì 14 14.10-16.10 aula 155/D4	14.10-14.30	A. Pozzi, R. Tognaccini	Conjugated heat transfer in unsteady channel flows
		14.30-14.50	G. Coppola, O. Semeraro, L. de Luca	Viscous corrections for the stability of a two-fluid rotating column
		14.50-15.10	F. Domenichini, G. Pedrizzetti	Flow changes due to pathologies of the left ventricle
		15.10-15.30	S. Barontini, R. Ranzi	Infiltrazione stazionaria in suoli gradualmente stratificati: condizioni di formazione di una falda pensile e profili di proprietà idrologiche
		15.30-15.50	I. Daprá, G. Scarpi	Unsteady Couette flow of viscoelastic fluids
FL-02 (Onde di superficie libera)	martedì 15 10.00-12.00 aula 155/D4	10.00-10.20	S. Corvaro, C. Lorenzoni, E. Seta, A. Mancinelli, M. Brocchini	Interazione di onde con fondale poroso
		10.20-10.40	C. Lugni, M. Miozzi, M. Brocchini	Evolution of the air-cavity during a wave impact
		10.40-11.00	S. Corvaro, C. Lorenzoni, M. Postacchini, E. Seta, L. Soldini, M. Brocchini, A. Mancinelli	Some experimental studies on the sea wave dissipation over different seabeds
		11.00-11.20	L. Chiapponi, S. Longo	Strong turbulence and free surface interaction in a grid-stirred tank
FL-03 (Tecniche di simulazione numerica)	mercoledì 16 10.00-12.00 aula 155/D4	10.00-10.20	G. De Stefano, O.V. Vasilyev	Towards fully-adaptive wavelet transform-based numerical simulation of turbulence
		10.20-10.40	F.M. Denaro, A. Arovitola, G. Riccardi	An analysis of the implicit filters induced by integral-based conservation laws
		10.40-11.00	M. Bernardini, S. Pirozzoli	Zonal detached eddy simulation of compressible base flows
FL-04 (Vorticità e aerodinamica)	mercoledì 16 16.10-17.10 aula 155/D4	16.10-16.30	G.V. Iungo, G. Buresti	Experimental investigation on the influence of wind direction on the aerodynamic loads acting on low aspect-ratio triangular prisms
		16.30-16.50	C. Marongiu, R. Tognaccini	Aerodynamic force analysis in high Reynolds number flows by Lamb vector integration
		16.50-17.10	G. Coppola, F. de Rosa, L. de Luca	Multimodal analysis for the stability of vortices with axial flow
FL-05 (Turbolenza)	giovedì 17 9.00-11.00 aula 155/D4	9.00-9.20	R. Camussi, M.C. Jacob, J. Grilliat, G. Caputi-Gennaro	Flow structures and pressure fluctuations in a tip-leakage flow
		9.20-9.40	P. Gualtieri, F. Picano, G. Sardina, C.M. Casciola	The effects of back-reaction on particle clustering and turbulence modulation in shear flows
		9.40-10.00	E. De Angelis, C.M. Casciola	DNS of entrainment through turbulent/non-turbulent interface in dilute polymer solutions
		10.00-10.20	C. de Nicola, L. Graziosi, R.S. Donelli	Prediction of transition on wings in a RANS approach
FL-06 (Metodi numerici non-convenzionali)	giovedì 17 12.00-14.00 aula 155/D4	12.00-12.20	S. Rosa Taddei, F. Larocca, F. Bertini	A treatment of the leading edge discontinuity for time-marching throughflow analyses
		12.20-12.40	L. Galante, M. Quadri, P. Luchini	Superfluid vortices in a wall-bounded flow
		12.40-13.00	M. Cremonesi, A. Frangi, U. Perego	Fluid-structure interaction solved by a Lagrangian finite element method
		13.00-13.20	S. Marrone, M. Antuono, A. Colagrossi, G. Colicchio, G. Graziani	Enhanced boundary treatment in 2D Smoothed Particle Hydrodynamics models
		13.20-13.40	A. Crivellini, L. Pelagalli, F. Bassi	An implicit matrix-free discontinuous Galerkin solver for turbulent flows
		13.40-14.00	M. Chinappi, E. De Angelis	Effect of confinement on statistical properties of a DNA chain in microchannels

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Meccanica delle macchine				
MA-01 (Vibrazioni)	lunedì 14 10.55-12.55 aula 155/D1	10.55-11.15	G. Incerti	Sulla possibilità di ridurre le vibrazioni residue di dispositivi meccanici azionati da trasmissioni a cinghia
		11.15-11.35	F. Sorge, M. Cammalleri	Hysteretic whirl stabilization in rotor-shaft-bearing systems on dry friction suspension
		11.35-11.55	A. Cammarata, R. Sinatra, M. Lacagnina, D. Condorelli	A simplified finite element-based algorithm to study vibrations of parallel kinematic machines
		11.55-12.15	F. Pellicano	Dynamics of circular cylindrical shells under seismic loads
		12.15-12.35	R. Caracciolo, D. Richiede, A. Trevisani, G. Zanardo	Structural modification of vibrating systems: an approach based on a constrained inverse eigenvalue problem
MA-02 (Meccanismi)	lunedì 14 14.10-16.10 aula 155/D1	12.35-12.55	L. Mangialardi, L. Soria	A mixed analytical-multibody-BEM approach for predicting the sound power level of a hydraulic impact hammer
		14.10-14.30	E. Giannotti, C. Galletti	Synthesis of single-loop kinematotropic mechanisms
		14.30-14.50	G. Figliolini, P. Rea, M. Conte	Design flow-chart of slider-crank mechanisms and applications
		14.50-15.10	G. Figliolini, H. Stachel, J. Angeles	On the synthesis of spatial cycloidal gears
		15.10-15.30	C. Galletti, E. Giannotti	Assur's-groups-based simulation for teaching kinematics of planar linkages
MA-03 (Veicoli)	lunedì 14 16.30-18.30 aula 155/D1	16.30-16.50	M.-C. Palpacelli, L. Carbonari	Analysis of handling and vertical dynamics of a 4 steering wheels electric vehicle powered by 2 in-wheel motors
		16.50-17.10	F. Bottiglione, G. Mantriota	Tank vehicles: modeling and testing
		17.10-17.30	V. Cossalter, R. Lot, M. Massaro, R. Sartori	Development and testing of assistant rider systems with the UNIPD motorcycle riding simulator
		17.30-17.50	N. D'Alfio, A. Morgando	Progettazione di un sistema Steer by Wire e sperimentazione tramite banco Hardware in the Loop
MA-04 (Biomeccanica)	martedì 15 10.00-12.00 aula 155/D1	10.00-10.20	A. Borboni, D. Fausti, R. Faglia, N. Pedrocchi	Progetto, realizzazione e prove preliminari di un sistema automatico per la riabilitazione del gomito
		10.20-10.40	M. Ometto, M. Gobbo, L. Bissolotti, P. Gaffurini, G. Legnani	Instrumentation of a handbike for biomechanical measurements
		10.40-11.00	L. Mattei, B. Piccigallo, K. Stadler, E. Ciulli, F. Di Puccio	EHL modeling of hip implants based on a ball-on-plane configuration
		11.00-11.20	N. Sancisi, R. Caminati, V. Parenti-Castelli	Optimal four-bar linkage for the stability and the motion of the human knee prostheses
		11.20-11.40	M. Fontana, M. Bergamasco, F. Salsedo	Mechanical design and experimental characterization of a novel hand exoskeleton
MA-05a (Azionamenti e attuatori)	martedì 15 13.50-15.50 aula 155/D1	11.40-12.00	D. Camevale, E. Pennestri, P.P. Valentini, F. Scire Ingastone, V. Rossi, M. Cavacece	Comparison of different seat-to-head transfer functions for vibrational comfort monitoring of car passengers
		13.50-14.10	L. Pugi, M. Malvezzi, F. Bartolini	Model of parallel-connected multiple induction motors for HIL simulation of railway anti-skid-anti-slip systems
		14.10-14.30	H. Giberti, S. Cinquemani, G. Legnani	Effetti delle caratteristiche meccaniche della trasmissione sulla scelta del motoriduttore
		14.30-14.50	R. Bussola, M. Tiboni, A. Menegolo, A. Delli Carri	Pianificazione ed ottimizzazione della legge di moto di attuatori elettrici mediante algoritmi genetici
		14.50-15.10	P. Righettini, R. Strada, V. Lorenzi	Progetto di un banco prova per l'analisi del comportamento dinamico di servomotori elettrici
MA-05b (Azionamenti e attuatori)	martedì 15 16.10-17.10 aula 155/D1	16.10-16.30	M. Callegari, G. Palmieri, M.-C. Palpacelli	Cartesian space visual control of a translating parallel manipulator
		16.30-16.50	P. Boscarol, A. Gasparetto, M. Giovagnoni, A. Lanzutti, R. Vidoni, V. Zanutto	Innovative control techniques for mechatronic systems
		16.50-17.10	L. Bruzzone, G. Bozzini	Fractional order position control of SCARA robots
MA-06a (Componenti)	mercoledì 16 10.00-12.00 aula 155/D1	10.00-10.20	M. Borasso, C. Braccesi, F. Cianetti, M.C. Valigi	A mechanical face seal model with numerical simulation of stick-slip
		10.20-10.40	A. Bracci, M. Gabiccini, M. Guiggiani	Robust optimization of hypoid gears with misalignments
		10.40-11.00	F. Bottiglione, G. Carbone, L. Mangialardi, G. Mantriota	Mechanism of leakage in flat seals
		11.00-11.20	M. Cocconcetti, R. Rubini	Correlation between the stator current signal and the kinematic model of the rolling bearing for the diagnostics
		11.20-11.40	A. Lucifredi, P. Silvestri, P. Sgroi, D. Noceti	Analisi dinamica preliminare, teorica e sperimentale, del carrello principale di un velivolo
MA-06b (Componenti)	mercoledì 16 13.50-15.50 aula 155/D1	13.50-14.10	B. Allotta, L. Pugi, F. Bartolini	Design and simulation of magneto-rheological dampers for railway applications
		14.10-14.30	G. Carbone, L. De Novellis, L. Mangialardi	An enhanced CMM model to predict CVT performances: theory vs. experiment
		14.30-14.50	E. Ciulli, B. Piccigallo, D. Vela	Experimental study of engine cam-followers
		14.50-15.10	M. Scaraggi, G. Carbone, L. Mangialardi	EHL-squeeze in highly loaded contacts: the influence of fluid rheology on pin-pulley interaction in CVT transmission
		15.10-15.30	A. Lucifredi, P. Silvestri, L. Polotti, F. Strobino	Realizzazione di un modello di convogliatore a nastro mediante i programmi di simulazione LMS Virtual
MA-08a (Robotica)	giovedì 17 9.00-11.00 aula 155/D1	15.30-15.50	H. Giberti, A. Collina, A. Zuin, M. Boccione	Lab e AMESim e cosimulazione per il controllo del gruppo motore dell'impianto
		9.00-9.20	M. Gabiccini, A. Bracci, D. De Carli, M. Fredianelli, A. Bicchi	Sulla determinazione del rendimento delle trasmissioni meccaniche a vite a ricircolo di sfere
		9.20-9.40	A. Vertuan, S. Ruggeri, G. Legnani	Explicit Lagrangian formulation of the dynamic regressors for serial manipulators
		9.40-10.00	H. Giberti, S. Chatterton, S. Cinquemani	Kinetostatic and dynamic properties of Cheope a parallel-serial manipulator
		10.00-10.20	G. Legnani, P. Magnani, M. Tiboni	Kinematic optimization of a parallel manipulator 5R 2-dof driven by pneumatic cylinders
MA-08b (Robotica)	giovedì 17 12.00-14.00 aula 155/D1	10.20-10.40	G. Boschetti, R. Caracciolo	An innovative approach for the calibration of industrial manipulators based on neural networks
		12.00-12.20	G. Bozzini, L. Bruzzone, R. Oderio, G. Quaglia, R. Razzoli	Workspace computation in parallel manipulators with three translational degrees of freedom
		12.20-12.40	M. Malvezzi, F. Bartolini, B. Allotta	Design of the small mobile robot Epi.q-2
		12.40-13.00	S. Ruggeri, A. Vertuan, G. Legnani, A. Visioli	Dynamics simulation of a six-legged mobile robot
				Kinetostatic calibration of a SCARA robot

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Meccanica dei solidi				
SO-01 (Interfacce)	lunedì 14 10.55-12.55 aula 155/D2	10.55-11.15	G.P. Lignola, A. Collina, A. Prota, G. Manfredi	Analysis of tile-substrate behavior subjected to shrinkage
		11.15-11.35	U. Perego, A. Giampieri	An interface element to model the mechanical response of crease lines for carton-based packaging
		11.35-11.55	M. Serpilli, A.-L. Bessoud, F. Krasucki	Shell-like inclusions with high rigidity: an asymptotic approach
		11.55-12.15	M. Paggi, G. Zavarise	Contact mechanics of functionally graded rough surfaces
		12.15-12.35	A. Spada, G. Fileccia Scimemi, G. Giambanco	The interphase model applied to simulate chemically bonded anchors
SO-02 (Problemi accoppiati e multifase)	lunedì 14 14.10-16.10 aula 155/D2	14.10-14.30	G. Xotta, V. Salomoni, C. Majorana, G. Mazzucco	Meso-scale modelling of concrete as a multiphase material
		14.30-14.50	F. Pesavento, B.A. Schrefler, D. Gawin	A multiscale/multiphysics model for concrete
		14.50-15.10	L. La Ragione, V. Magnanimo	The response of an idealized granular material to an incremental shear strain
		15.10-15.30	C. Callari	A computationally oriented approach to thermodynamics of multiphase porous media
		15.30-15.50	R. Serpieri, L. Rosati	A linearized biphasic poroelastic model and its calibration by experimental measures
SO-03a (Plasticità e danno)	martedì 15 10.00-12.00 aula 155/4	15.50-16.10	L. Sanavia, L. Luison, R.N. Nanhorngué, M. Passarotto, R. Santagiuliana, B.A. Schrefler	Multiphysics modelling of environmental engineering problems by means of porous media mechanics
		10.00-10.20	A. Zirpoli, R. Fedele, N. Valoroso	Mode-I parameter identification for an interface model describing damage in adhesive joints
		10.20-10.40	L. Galuppi, L. Deseri	Sintering during constrained forging and isostatic pressing: the influence of the interstitial stress
		10.40-11.00	S. Lenci, Q. Piattoni, F. Clementi, T. Sadowski	A mechanical characterization of unfired dry earth: ultimate strength, damage and fracture parameters
		11.00-11.20	F. De Angelis, R.L. Taylor	Nonlinear kinematic hardening modeling in plasticity
SO-03b (Plasticità e danno)	martedì 15 13.50-15.50 aula 155/4	11.20-11.40	M. Paggi, Al. Carpinteri, R. Orta	A unified mathematical formulation for the asymptotic analysis of singular elastic and electromagnetic fields
		13.50-14.10	D. De Tommasi, S. Marzano, G. Puglisi, G. Zurlo	Damage and healing effects in inflated rubber balloons
		14.10-14.30	G. Garcea, L. Leonetti	Numerical methods for the evaluation of the shakedown and limit loads
		14.30-14.50	A. Cavicchi, R. Massabò	Dynamic interaction of multiple delaminations and core damage in composite sandwich beams
		14.50-15.10	A. Piccolroaz, D. Bigoni	Non-smooth yield criteria
SO-03c (Plasticità e danno)	mercoledì 16 10.00-12.00 aula 155/4	15.10-15.30	L. Contrafatto, M. Cuomo	A variational formulation in damaging plasticity for modelling Strong Discontinuities
		15.30-15.50	B. Pomaro, V.A. Salomoni, F. Gramegna, G. Prete, C.E. Majorana	Radiation damage in the target area shielding of a facility for Selective Production of Exotic Species (SPES Project)
		10.00-10.20	M. Merlin, R. Rizzoni	Modeling the constrained recovery in shape memory wires
		10.20-10.40	E. Bover, B. Chiaia, L. Preziosi	Numerical analysis of snow avalanche mechanics and of its interaction with structures
		10.40-11.00	G. Perrella, L. Esposito, A. Cutolo, M. Fraldi	A proposal of unified elastic moduli-matrix volume fraction law for porous RVEs
SO-05 (Modelli per gomma e mat. polimerici)	mercoledì 16 16.10-17.10 aula 155/D3	11.00-11.20	L. Contrafatto, G.T. Di Veni	Analysis of laminated glass beams using the Strong Discontinuities Approach
		11.20-11.40	C. Comi, U. Perego	A two-phase model for chemo-damage induced anisotropy in concrete
		16.10-16.30	S. Briccoli Bati, M. Fagone, G. Ranocchiai	The elastic behavior of a rubber-like material for composite glass
		16.30-16.50	J. Ciambella, A. Paolone, S. Vidoli	A non-linear viscoelastic model for filled-rubber: analytical formulation, experimental modeling and
		16.50-17.10	G. Palmieri, G. Chiappini, M. Sasso, D. Amodio	Pseudo-elastic characterization of elastomeric materials by cyclic multi-axial loading tests
SO-06a (Elasticità)	giovedì 17 9.00-11.00 aula 155/D2	9.00-9.20	M. Di Paola, A. Pirrotta, M. Zingales	Waves propagation in a fractional viscoelastic continuum
		9.20-9.40	A. Russo, A. Tartaglione	On the contact problem of linear elasticity
		9.40-10.00	M. Brun, S. Guenneau, A.B. Movchan	Invisibility to in-plane elastic waves
		10.00-10.20	P. Cometti, Al. Carpinteri, A. Saponi, M. Di Paola, M. Zingales	An explicit mechanical interpretation of Eringen non-local elasticity by means of fractional calculus
		10.20-10.40	F. Greco, P. Lonetti, P. Nevone Blasi	Macroscopic analysis of heterogeneous solids including the effects of finite changes in constitutive and geometric microstructural properties
SO-06b (Elasticità)	giovedì 17 12.00-14.00 aula 155/D2	12.00-12.20	A. Russo, A. Tartaglione	Some properties of the solutions of the equations of linear elastodynamics in unbounded domains
		12.20-12.40	R. Sburlati	An analytic solution method for a biharmonic elastic problem
		12.40-13.00	D. Capecchi, G. Ruta, P. Trovalusci	Poincaré's energetic approach to linear elasticity
		13.00-13.20	C.E. Majorana, G.A. Khoury, V.A. Salomoni	Effects of polypropylene fibres in concrete under fire conditions
		13.20-13.40	M. Paciaroni	Comportamento a grandi deformazioni di alcuni materiali iperelastici
SO-07 (Frattura)	giovedì 17 12.00-14.00 aula 155/D3	13.40-14.00	G. Barone, A. Pirrotta, R. Santoro	Complex analysis for the solution of torsion problems: a comparison among three methods
		12.00-12.20	S. Bennati, P.S. Valvo	An elastic interface model for mixed-mode fracture of adhesive joints
		12.20-12.40	B. Chiaia, B. Frigo	Multiscale fracture behaviour of ice
		12.40-13.00	F. Barpi, S. Valente	Fluid driven cohesive crack propagation in quasi-brittle materials
		13.00-13.20	D. Ferretti, M. Rossi, G. Royer-Carfagni, M. Silvestri	An ESPI investigation of the crack-tip opening profile in brittle glass
SO-08 (Omogeneizzazione)	giovedì 17 12.00-14.00 aula 155/2-3	12.00-12.20	E. Artioli, P. Bisegna, F. Caselli, F. Maceri	Effective longitudinal shear moduli of random composites comprising radially-graded fibres
		12.20-12.40	D. Bruno, R. Carpino, F. Greco, G. Sgambittera	Efficacy of homogenization techniques for locally periodic composites
		12.40-13.00	M.C. Pernice, L. Nunziante, M. Fraldi	A direct evaluation of the Fabric Tensor in anisotropic porous media
		13.00-13.20	A. Caporale, R. Luciano	Serie di Fourier in sistemi di coordinate non ortogonali per l'omogeneizzazione dei compositi viscoelastici
		13.20-13.40	D.P. Boso, M. Lefk	Numerical modelling of non linear composites using artificial neural networks

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Meccanica delle strutture				
ST-01 (Membrane, piastre)	lunedì 14 10.55-12.55 aula 155/2-3	10.55-11.15	G. Castellazzi, P. Krysl	Assumed strain finite elements for Reissner-Mindlin plates
		11.15-11.35	A. Capsoni, P. Ladevèze	On boundary conditions for Ladevèze's plate theory
		11.35-11.55	S. Vidoli, C. Maurini, A. Fernandes	Multiparametric actuation of bistable plates
		11.55-12.15	M. Cuomo, L. Greco	Influence of wrinkling in the structural response of light membranes. Derivation of the incremental equilibrium operator
ST-02a (Elementi finiti, elementi di contorno)	lunedì 14 10.55-12.55 aula 155/D3	10.55-11.15	V. Mallardo, F.M.H. Aliabadi	Noise control by BEM in large scale engineering problems
		11.15-11.35	A. Sofi, A.A. Pisano, P. Fuschi	Nonhomogeneous nonlocal elasticity: a finite element approach
		11.35-11.55	R. Casciaro, S. de Miranda, A. Madeo, Fr. Ubertini, G. Zagari	Implicit Corotational Method: analysis of slender panels assemblages
		11.55-12.15	A. Temponi, A. Salvadori, F. Mordenti, A. Carini, P. Pelizzari	On the approximation of 3D hyperbolic boundary integral equations
		12.15-12.35	T. Panzeca, A. La Mantia, M. Salerno, S. Terravecchia	Modellazione lineare delle grandezze di contorno nell'analisi per sottostrutture delle piastre inflesse via
ST-02b (Elementi finiti, elementi di contorno)	lunedì 14 14.10-16.10 aula 155/D3	14.10-14.30	T. Panzeca, F. Cucco, E. Parlavescio, L. Zito	La formulazione simmetrica alla Galerkin del BEM in elastoplasticità
		14.30-14.50	G. Garcea, A. Madeo, G. Zagari, E. Lanari	Implicit Corotational Method: FEM implementation
		14.50-15.10	F. Parrinello, B. Failla	Rigid-damaging-frictional constitutive model for delamination analysis of joined bodies via XFEM with tip
		15.10-15.30	A. Marinetti, G. Oliveto	On the evaluation of the shear correction factors: a boundary element approach
ST-02c (Elementi finiti, elementi di contorno)	lunedì 14 16.30-18.30 aula 155/D3	15.30-15.50	M. Mazza, M. Aristodemo	Calcolo con variabili complesse dei coefficienti integrali per la costruzione di un modello BEM simmetrico di lastra inflessa sottile
		16.30-16.50	M. Di Paola, G. Failla, G. Inzerillo, M. Zingales	Non-local finite element method for the analysis of elastic continuum with long-range central interactions
		16.50-17.10	E. Carrera, M. Petrolo, C. Wenzel, G. Giunta, S. Belouettar	Higher order beam finite elements with only displacement degrees of freedom
		17.10-17.30	S. Lopez, G. La Sala	Static and dynamical structural analysis by a kinematical description of the small strains involving finite rotations
		17.30-17.50	E. Manconi, B.R. Mace	Wave propagation in axisymmetric structures from finite element analysis
ST-03 (Identificazione, controllo, ottimizzazione)	lunedì 14 16.30-18.30 aula 155/5-6	17.50-18.10	M. Cuomo, L. Greco	A finite element cable for the analysis of cable nets
		16.30-16.50	S. Benfratello, F. Giambanco, L. Palizzolo	Optimal design of structures under dynamic loading
		16.50-17.10	L. Marcheggiani, S. Lenzi, R. Chacon	On the dynamics and control of complex phenomena in parametrically driven chains of pendulums
		17.10-17.30	M. Bruggi, C. Cini	On an alternative approach to pressure loads problems in topology optimization
		17.30-17.50	G. Fileccia Scimemi, S. Rizzo	Multi-objective parameter identification via ACOR algorithm
		17.50-18.10	A. Pau, F. Vestroni	Damage characterization in a bar using guided waves
ST-04 (Analisi elasto-plastica, analisi limite, casi reali)	martedì 15 10.00-12.00 aula 155/5-6	18.10-18.30	G. Catania, S. Sorrentino	Identification of non-conventional viscoelastic models for polymeric vibrating structures
		10.00-10.20	F. Marmo, L. Rosati	Extension of the fiber-free approach to complex stress-strain models for concrete
		10.20-10.40	M. Fraldi, A. Gesualdo, L. Nunziante, F. Guarracino	Bounds for plastic multipliers in combined loadings: some applications to solids and structures
		10.40-11.00	G. Bolzon, T. Garbowski, G. Maier, G. Novati	Parameter calibration strategies for elastic-plastic models of thin foils
		11.00-11.20	V.A. Salomoni, C.E. Majorana, G.M. Giannuzzi, A. Milozzi	Structural design of parabolic-trough solar concentrators
ST-05 (Continui monodimensionali)	martedì 15 13.50-15.50 aula 155/D4	11.20-11.40	O. Barrera, A.R.S. Ponter, A.C.F. Cocks	Application of the Linear Matching Method to materials that exhibit softening
		13.50-14.10	G. Failla, A. Santini, M. Zingales	A wavelet-Galerkin method for a 1D elastic continuum with long-range interactions
		14.10-14.30	G. Lacidogna, M. Corrado, Al. Carpinteri	A global analysis of tall buildings subjected to horizontal loads
		14.30-14.50	D. Genovese	A generalized method for the static analysis of a monodimensional prestressed continuum
		14.50-15.10	N. Impollonia, G. Ricciardi, F. Saitta	On the deformed shape of an elastic cable under general load conditions
ST-06a (FRP)	martedì 15 13.50-15.50 aula 155/D2	15.10-15.30	L. Bartolini, A. Battistini, L. Marchionni, L. Vitali	Strength and deformation capacity of corroded pipes
		13.50-14.10	G. Milani, E. Milani, A. Tralli	Homogenized upper bound FE limit analysis model for FRP-reinforced masonry vaults
		14.10-14.30	L. Ascione, V.P. Berardi, A. D'Aponte	An experimental and numerical investigation on the viscous behavior of FRP materials
		14.30-14.50	G. Giambanco, T. Turetta, A. Cottone	Numerical analysis of the mechanical response of wood glulam beams reinforced through the thickness by FRP rods
		14.50-15.10	R. Capozucca	Assessment of RC beams strengthened with near surface mounted CFRP rods by static and dynamic tests
ST-06b (FRP)	martedì 15 16.10-17.10 aula 155/D2	15.10-15.30	A. Baratta, I. Corbi	Design strategies for FRP reinforcement of no-tension structures
		15.30-15.50	F. Ascione, V. Cerenza, L. Feo	A numerical and experimental investigation on the shear forces distribution among the bolts of GFRP bolted joints
		16.10-16.30	L. Ascione, V.P. Berardi, A. D'Aponte	Time-depending behavior of PC beams externally plated with prestressed FRP laminates: a mechanical model
		16.30-16.50	A. Acciai, R. Nudo	Modalità di crisi di elementi in calcestruzzo armati con barre in FRP
		16.50-17.10	G. Mazzucco, V. Salomoni, C. Majorana, C. Pellegrino	Three-dimensional modelling of bond behaviour between concrete and FRP reinforcement

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ST-07a (Instabilità e collasso)	mercoledì 16 10.00-12.00 aula 155/D2	10.00-10.20	G. Ferraro, G. Oliveto, N.D. Oliveto	On the stability of elastomeric bearings
		10.20-10.40	M. Pignataro, N. Rizzi, G. Ruta, V. Varano	Buckling of thin-walled frames
		10.40-11.00	N.M. Auciello	Stability and vibration of roads under follower forces; the II Boundary Characteristic Orthogonal
		11.00-11.20	R. Battaglia, A. Tralli, A. Cazzani	Polynomial (BCOP) method
		11.20-11.40	E. Ruocco, V. Minutolo, S. Ciaramella	A Finite Element multifield model for critical loads of composite laminated plates
		11.40-12.00	M. Paggi, Al. Carpinteri	An analytical model for elastic stability of full 2-D plates
ST-07b (Instabilità e collasso)	mercoledì 16 13.50-15.50 aula 155/D2	13.50-14.10	E. Masoero, F.K. Wittel, B.M. Chiaia, H.J. Herrmann	A theoretical and numerical approach to the interaction between buckling and resonance instabilities in discrete and continuous mechanical systems
		14.10-14.30	Al. Carpinteri, R. Brighenti, S. Vantadori	Parametric study of the progressive collapse of 2D framed structures
		14.30-14.50	C. Floris	Effect of mechanical and thermo-mechanical treatments on fatigue behaviour of V-shaped notched round bars
		14.50-15.10	U. Alibrandi, N. Impollonia, G. Ricciardi	Stochastic stability of elastic and viscoelastic columns
		15.10-15.30	P. Foti, A. Fraddosio, S. Marzano, M.D. Piccioni	Probabilistic Buckling Analysis of frame structures with uncertain parameters
		15.30-15.50	I. Ario, M. Nakazawa	Annular shear driven instability for a compressible elastic tube
ST-08a (Dinamica strutturale: modelli)	mercoledì 16 13.50-15.50 aula 155/4	13.50-14.10	M. Lepidi, A. Luongo	Dynamic post-buckling analysis of the microfolding Augusti 3D model with local symmetry-breakings
		14.10-14.30	E. Saetta, G. Rega	Multi-parameter perturbation methods for the eigensolution sensitivity in discrete systems exhibiting multiple frequency veering
		14.30-14.50	D. Bruno, P. Lonetti, A. Manna	Vibrazioni nonlineari della piastra laminata in risonanza esterna ed interna: formulazione ed analisi di un modello con curvature nonlineari
		14.50-15.10	A. Luongo, F. D'Annibale	Dynamic phenomena of interfacial cracks in laminated structures
		15.10-15.30	A. Saporita, N. Pugno, Al. Carpinteri	Linear stability analysis of multiparameter dynamical systems via a numerical-perturbation approach
		15.30-15.50	A. Baciagalupo, L. Gambarotta	Dynamic analysis of fractal antennas
ST-09a (Murature)	mercoledì 16 13.50-15.50 aula 155/D4	14.10-14.30	S. Marfia, E. Sacco	Micro-polar and second-order homogenization of periodic masonry
		14.30-14.50	E. Bernardini, N. Cavalagli, F. Cluni, V. Gusella	Micromechanical analysis of periodic masonry
		14.50-15.10	D. Addessi, V. Ciampi, M.L. De Bellis, A. Paolone	Masonry strength domain by homogenization in generalized plane state
		15.10-15.30	A. Badalà, M. Cuomo, G. D'Agata	Multi-scale analysis of masonry panels based on mixed finite element formulations
		15.30-15.50	R. Barsotti, S. Bennati, A. Dami	Analisi limite di volte a botte rinforzate con CFRP
		16.10-16.30	A. Feriani, M.G. Mulas	A simple structural model for a masonry arch-wall system subjected to dead vertical loads
ST-08b (Dinamica strutturale: modelli)	mercoledì 16 16.10-17.10 aula 155/4	16.30-16.50	M. Breccolotti, Fi. Ubertini, I. Venanzi	Iterative solution methods for coupled vehicle-structure systems
		16.50-17.10	A. Luongo, G. Piccardo	Natural frequencies of prestressed concrete beams: theoretical prediction and numerical validation
				Perturbation and numerical analysis of suspended cables traveled by a single mass
ST-09b (Murature)	giovedì 17 9.00-11.00 aula 155/D3	9.00-9.20	M. Girardi	Analytical and numerical methods for the dynamic analysis of slender masonry structures
		9.20-9.40	N. Cavalagli, F. Cluni, V. Gusella	An interface micro-mechanical approach for the masonry mechanisms analysis
		9.40-10.00	A. Cecchi, C. Cennamo, B. Chiaia	From continuum masonry mechanics to macroelements: scaling and homogenization
		10.00-10.20	D. Addessi, A. Paolone, E. Sacco	A nonlinear Cosserat-Cauchy homogenization procedure for regular masonry based on transformation field analysis
		10.20-10.40	D. Aita, R. Barsotti, S. Bennati	Load-bearing capacity of circular, pointed and elliptical masonry arches
		10.40-11.00	A. Barbieri, A. Cecchi	Finite thickness interface model for un-strengthened and strengthened bed joint of masonry walls in plane loaded
ST-10a (Dinamica non lineare)	giovedì 17 9.00-11.00 aula 155/4	9.00-9.20	G. Lancioni	Propagation of detached bubbles in a semi-infinite beam laid on a unilateral elastic support
		9.20-9.40	C.E.N. Mazzilli, C.T. Sanches	Non-linear normal modes of a fixed-moored offshore catenary riser
		9.40-10.00	P. Casini, F. Vestroni	Nonlinear Normal Modes of 2-DOF piecewise linear mechanical systems
		10.00-10.20	C. Tripepi, F. Nucera, A. Vakakis, L. Bergman, D.M. McFarland	Seismic protection of full scale seismically excited steel structures through Targeted Energy Transfers
		10.20-10.40	A. Baratta, O. Corbi	On the dynamics of rigid block motion under strong shaking
		10.40-11.00	L. Ruzziconi, S. Lenci	Nonlinear phenomena in the dynamics of a cable-supported beam
ST-11a (Compositi, laminati, FGM)	giovedì 17 9.00-11.00 aula 155/5-6	9.00-9.20	M. Cuomo	Methods of stress analysis of laminated glass
		9.20-9.40	A. Pisano, P. Fuschi	Collapse load evaluation of pinned-joint composite plates
		9.40-10.00	L. Bardella, D. Tonelli, M. Minelli	How to choose an analytical model for the stress state of sandwich beams under bending
		10.00-10.20	P.S. Valvo	A beam-theory based method to partition fracture modes in delaminated beams
		10.20-10.40	B. Allotta, S. Falomi, A. Schneider, P. Molta	Structural analysis of sails including composite material model
		10.40-12.00	P. Trovalusci, V. Varano, G. Rega, A. Murrall	Elastic waves in a microcracked bar: the constitutively coupled case

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ST-10b (Dinamica non lineare)	giovedì 17 12.00-14.00 aula 155/4	12.00-12.20	A. Luongo, D. Zulli	Bifurcation and stability of a two d.o.f. system under simultaneous parametric, external and self-excitation
		12.20-12.40	S. Butera, G. Cottone, M. Di Paola	Fractional calculus for the solution of non-linear stochastic oscillators with viscous damper devices
		12.40-13.00	D. Bernardini, G. Rega	Evaluation of the effect of the thermomechanical parameters on the chaotic dynamics of shape memory oscillators
		13.00-13.20	E. Pavlovskaia, J. Ing, S. Banerjee, M. Wiercigroch	Strange dynamics of bilinear oscillator close to grazing
		13.20-13.40	A. Arena, W. Lacarbonara	Static and aeroelastic limit states of "Ponte della Musica" via a fully nonlinear continuum model
ST-11b (Compositi, laminati, FGM)	giovedì 17 12.00-14.00 aula 5-6	12.00-12.20	S. Benfratello, A. Camera	Experimental analysis of flexural behaviour of glued lamellar wood by speckle interferometry
		12.20-12.40	S. Invernizzi, G. Lacidogna, Al. Carpinteri	Scaling of fracture and acoustic emission in the compression of concrete-like materials
		12.40-13.00	S. Brischetto, E. Carrera, M. Cinefra	Refined and mixed models for free vibration analysis of functionally graded material plates and shells
		13.00-13.20	M. Corrado, Al. Carpinteri	Dimensional analysis of over-reinforced concrete beams in bending
		13.20-13.40	S.S. Ligarò, R. Barsotti	Membrane elastiche sottili fortemente pressurizzate
Sessione speciale: Metodi dinamici di indagine sperimentale				
DIN-01	venerdì 14 14.10-16.10 aula 155/2-3	14.10-14.40	A.L. Materazzi, I. Venanzi	Structural damage detection using dynamic response: state-of-the-art and prospects (Keynote Lecture)
		14.40-15.00	R. Alaggio, G. Rega	Unfolding complex dynamics of sagged cables around a divergence-Hopf bifurcation: experimental results and phenomenological model
		15.00-15.20	G. Failla, A. Santini, M. Pappatìco, A. Francomano	Wavelet-based estimation of fully non-stationary spectra and applications to seismic engineering
		15.20-15.40	S. Caddemi, I. Calìo, M. Marletta	The dynamic non-linear behaviour of beams with closing cracks
		15.40-16.00	S. Gabriele, C. Valente, F. Brancaloni	Model calibration by interval analysis
DIN-02	venerdì 14 16.30-18.30 aula 155/2-3	16.30-16.50	S. Caddemi, I. Calìo, S. Liseni	A procedure for the identification of concentrated damages on beams by free vibration tests
		16.50-17.10	D. Spina, C. Valente, S. Gabriele	Non classical modal parameters identification via dynamic response complexification
		17.10-17.30	L. Faravelli, S. Casciati, C. Fuggini	Full-scale experiment using GPS sensors for dynamic tests
		17.30-17.50	F. Eusani, F. Benedettini	Modal and structural identification of a masonry chimney
		17.50-18.10	A. Reggio, M. De Angelis, S. Perno	Controllo della risposta dinamica di strutture dotate di TMD ad elevato rapporto di massa: analisi numeriche e sperimentali
DIN-03	sabato 15 10.00-12.00 aula 155/2-3	10.00-10.20	D. Cancellara, A. de Majo, M. Modano, M. Pasquino	Prove sperimentali in situ per la caratterizzazione dinamica di una struttura e relativa sottostruttura con controllo sismico passivo
		10.20-10.40	A. Greco, A. Pau	The dynamic stiffness method for detection of concentrated damages in elastic frames
		10.40-11.00	R. Alaggio, D. Zulli, F. Benedettini	Frequency-avoiding in arch bridges: a possible structural health monitoring approach
		11.00-11.20	C. Gentile	Radar-based measurement of deflections on bridges and large structures
		11.20-11.40	C. Rainieri, G. Fabbrocino, F. Santucci de Magistris, C. Laorenza, L. Deseri	Operational Modal Analysis for identification of geotechnical systems
DIN-04	sabato 15 13.50-15.50 aula 155/2-3	13.50-14.10	N.D. Oliveto, G. Scalia, G. Oliveto	Time domain identification of hybrid base isolation systems using free vibration tests
		14.10-14.30	V. Sepe, G. Bellizzotti, M. Diaferio	Identification of local damage in beams and frames
		14.30-14.50	A. Morassi	Dynamical inverse problems and damage detection in steel-concrete composite beams
		14.50-15.10	P.M. Calvi, P. Venini	Toward a novel approach for damage identification and health monitoring of bridge structures
		15.10-15.30	R.J. Barthorpe, K. Worden, C. Surace, G. Demarie	A comparative study of approaches to damage detection
		15.30-15.50	A.L. Materazzi, Fi. Ubertini, M. Breccolotti	Handling state variable constraints and actuator saturation in structural control strategies
Sessione speciale: Biomeccanica e biomateriali				
BIO-01	domenica 16 10.00-12.00 aula 155/2-3	10.00-10.30	R.M. McMeeking	The mechanics of the cytoskeleton and cell adhesions (Keynote Lecture)
		10.30-10.50	F. Stefanoni, M. Ventre, M. Diez, V.A. Schulte, M.C. Lensen, F. Mollica,	A numerical model for Durotaxis
		10.50-11.10	P.A. Netti	Origin of residual stress in arteries
		11.10-11.30	L. Cardamone, J.D. Humphrey	Modelling sarcomere dynamics
		11.30-11.50	L.R. Zastrow	Myofibrils: a biochemistry-based coarse model
BIO-02 (Macro)	domenica 16 13.50-15.50 aula 155/2-3	13.50-14.10	A. DiCarlo	Modelling active elastic tissues: the left ventricle contractions
		14.10-14.30	P. Nardinocchi, T. Svaton, L. Teresi	Porous fibre-reinforced materials under large deformations
		14.30-14.50	S. Federico	A membrane anisotropic model for remodeling of tissues with particular regards to cerebral aneurysm formation and growth
		14.50-15.10	P. Vena, G. Pennati, D. Gastaldi, R. Contro	A mechanical modeling of cardiac pressure-volume loops
		15.10-15.30	P. Nardinocchi, L. Teresi, V. Varano	Un modello di meccano-regolazione per indagare come il periodo di latenza in una distrazione osteogenetica mandibolare varia al variare dell'età del soggetto

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BIO-03 (Sperimentale)	mercoledì 16 16.10-17.10 aul. 155/2-3	16.10-16.30	M. Mor, D. Fausti, R. Adamini, R. Faglia, P. Poesio	Banco prova per valvole cardiache: descrizione e risultati preliminari
		16.30-16.50	Buzzi	A study on the biomechanical efficiency of different cycling positions
BIO-04 (Nano-micro)	giovedì 17 9.00-11.00 aula 155/2-3	9.00-9.10	R. Contro	Prospettive di ricerca nel campo delle bio-nano-microtecnologie
		9.10-9.30	L. Lunghi, M.E. Ferretti, C. Biondi, L. Deseri	Cyclic adenosine monophosphate pathway and human trophoblast cells: is a predictive mechanical model
		9.30-9.50	A. Ferrara, A. Pandolfi	A cohesive model of dissection in arterial layers
		9.50-10.10	N. Sancisi, V. Parenti-Castelli	A sequentially-defined kinetostatic model of the knee with higher pairs
			C.C.C. Capone, V. Panzetta, M.C. Pernice, A. Marzullo, P.A. Netti, M.	
		10.10-10.30	Fraldi	Dynamic characterization and remodelling of interfaces with microstructure
Sessione speciale: Meccanica di materiali e sistemi alle micro e nano scale				
MIC-01	lunedì 14 10.55-12.55 aula 155/4	10.55-11.25	A. De Simone, L. Teresi	Electro-mechanical coupling in nematic elastomers: statics and dynamics (Keynote Lecture)
		11.25-11.45	G. deBotton, M. Gei, A. Lewinstein	Modelling dielectric composites in finite deformation elasticity
		11.45-12.05	E. Radi, P.M. Mariano	Propagation of cracks and dislocations in 2D quasicrystals
		12.05-12.25	T. Roubicek, G. Tomassetti	A model for shape-memory alloys accounting for electric conduction
		12.25-12.45	R. Ardito, C. Comi	Thermoelastic damping in layered micromechanical resonators
MIC-02	lunedì 14 14.10-16.10 aula 155/4	14.10-14.30	N.M. Pugno, S.N. Gorb	Solving the multiple peeling and discovering a new angle for the optimal nanoadhesion of insects, spiders and geckos
		14.30-14.50	M. Chinappi, C.M. Casciola	Intrinsic slip on hydrophobic surfaces
		14.50-15.10	A. Frezzotti, M. Carnini	Effects of non-local scattering on the aerodynamic coefficients of nanosized particles
		15.10-15.30	F. Ascione, G. Mancusi	FRP adhesive lap-joints: a micro-scale mechanical approach
		15.30-15.50	L. Bardella	The influence of the dissipation due to the plastic spin on the size effects describable by means of isotropic strain gradient plasticity
MIC-03	lunedì 14 16.30-18.30 aula 155/4	16.30-16.50	E. Lepore, N. Pugno	Experimental analysis on the adhesion of living tokay geckos on nanorough surfaces
		16.50-17.10	V. Guidi, L. Lanzoni, A. Mazzolari	On the deformation field of bent crystals for channeling experiments
		17.10-17.30	G. Formica, W. Lacarbonara	Eshelby continuum modeling of CNT-reinforced composites in free vibrations
		17.30-17.50	A. Corigliano, A. Ghisi, G. Langfelder, A. Longoni, F. Zaraga	Polysilicon MEMS fatigue and fracture characterization via on chip testing
			P. Ricci, C. Paternoster, A. Fabrizio, R. Cecchini, S. Spigarelli, P.V.	
		17.50-18.10	Kiryukhantsev-Korneev, M. Haïdopoulos	Use of nano-indentation for nano-mechanical characterisation of coatings
		18.10-18.30	F. Davi	Singularities in Landau-Devonshire potentials for ferroelectrics phase-transitions
Sessione speciale: Innovazione e ricerca come sostegno alla competitività industriale				
INN-01	martedì 15 10.00-12.00 aula 155/D3	10.00-10.20	S. Zitti, R. Zannini, N. Wälli, E.U. Schmitz	Ottimizzazione del processo di tornitura su centri CNC a cinematica parallela: effetti della lubrificazione, tipologia d'inserto e geometria del particolare sull'usura utensile e finitura superficiale di componenti in acciaio
		10.20-10.40	G. Magnanini, L. Ghergo, A. Arteconi, C.M. Bartolini, F. Polonara	Impianto di liquefazione del metano per autotrazione
		10.40-11.00	N. Mancini	Case study of process innovation for manufacturing an automotive component
		11.00-11.20	C. Paternoster, P. Serenellini, S. Spigarelli, R. Cecchini, A. Fabrizio, M.	Applicazioni di ingegneria delle superfici al settore mobile/elettrodomestico
		11.20-11.40	G. Capriotti, S. Papalini, G. Cauteruccio	Studio numerico dello stampaggio di una vasca in plastica per lavabiancheria con presenza di inserti metallici
INN-02	martedì 15 13.50-15.50 aula 155/D3	11.40-12.00	A. Corsini, S. Minotti, F. Rispoli, S. Piccinini, G. Romani	Development of an innovative non-clogging seal chamber for submersible propeller pumps
		13.50-14.10	M. Mancini, E. Mancini, G. Medici	Analisi delle problematiche relative alle deformazioni dei particolari meccanici costruiti in acciaio 18NiCrMo5 sottoposti a trattamento termochimico di carbocementazione
		14.10-14.30	M. Cavallari, G. D'Elia, S. Delvecchio, M. Malagò, E. Mucchi, G. Dalpiaz	On the use of vibration signal analysis for industrial quality control
		14.30-14.50	S. Albertini, A. Borboni, M. Cotti Cottini, D. Fausti, R. Faglia, D. Pomi	Processo d'innovazione e risultati in un caso nel settore della riabilitazione automatizzata
		14.50-15.10	G. Audisio, F. Cheli, S. Melzi, M. Velardocchia	CyberTM tyre for vehicle active safety
INN-03	martedì 15 16.10-17.10 aula 155/D3	15.10-15.30	G. De Camillis, L. Vitaletti, M. Castello	The numerical method approach on the domestic ventilation systems design
		15.30-15.50	G. Catalucci, S. Papalini, A. Erbetta	Verifica a fatica di carrelli aeronautici
		16.10-16.30	L. Consolini, S. Lenci, G. Barnabei	A glass and stainless steel truss
		16.30-16.50	U. Galvanetto, M. Ghajari, L. Iannucci	Full body simulations of motorcyclist accidents
		16.50-17.10	F. Freddi, G. Rover-Carfagni, M. Silvestri	The post-breakage response of laminated glass with the Gecko® technology

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Sessione speciale: Modelli variazionali di frattura				
FRA-01	mercoledì 16 10.00-12.00 aula 155/D3	10.00-10.30	G. Dal Maso, G. Lazzaroni	A variational model for quasistatic crack growth in finite elasticity with non-interpenetration (Keynote Lecture)
		10.30-10.50	F. Freddi, G. Royer-Carfagni	Variational models for cleavage and shear fractures
		10.50-11.10	A. Salvadori, A. Carini	Ceradini's approach in fracture mechanics
		11.10-11.30	G. Gargiulo, E. Zappale	Some sufficient conditions for lower semicontinuity in SBD
		11.30-11.50	A. Pandolfi	Variational cohesive fracture models and 3D crack tracking
FRA-02	mercoledì 16 13.50-15.50 aula 155/D3	13.50-14.20	J.-J. Marigo	Initiation of cracks and fatigue. From quasi-static trajectories to dynamics (Keynote Lecture)
		14.20-14.40	F. Fraternali, B. Schmidt, M. Ortiz	On an eigendeformation approach to brittle fracture
		14.40-15.00	M. Bruggi, P. Venini	A truly-mixed method for cohesive crack propagation in quasi-brittle materials
		15.00-15.20	C. Comi, S. Mariani, M. Negri, U. Perego	Step-by-step variational cohesive propagation in one dimension
		15.20-15.40	M. Angelillo, E. Babilio	Comparing numerical solutions for the propagation of brittle fractures based on local energy minimization with classical fracture mechanics results
Sessione speciale: Controllo di flussi LA SESSIONE FLU-01 TERMINA 10 min DOPO				
FLU-01	venerdì 14 10.55-12.55 aula 155/D4	10.55-11.25	M. Martinez, L. Vesely, C. Haigermoser, M. Onorato	Cavity flow control by high frequency forcing (Keynote Lecture)
		11.25-11.45	J.O. Pralits, F. Giannetti, P. Luchini	A global stability analysis of a thin-airfoil wake
		11.45-12.05	J.V. Krier, T. Sucipto	Highly optimizable laminar flow control devices
		12.05-12.25	F. Giannetti, P. Luchini, L. Marino	Linear stability analysis of three-dimensional lid-driven cavity flow
		12.25-12.45	R.S. Donelli, P. Iannelli, E. Iuliano, D. De Rosa	Suction optimization on thick airfoil to trap vortices
12.45-13.05	G. Iuso, L. Acerno	Synthetic jets on wing for aerodynamic loads redistribution		
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VOR-01	venerdì 14 16.30-18.30 aula 155/D4	16.30-16.50	G. Riccardi, D. Durante	An analytical contour dynamics
		16.50-17.10	G. Pedrizzetti, M. Vukicevic	Vortex formation and growth behind an orifice
		17.10-17.30	I. Gned, L. Zannetti	Patch of vorticity in motion