

Publications

Cited	Authors	title	Source
4	Oliveira, SM; Santos, R	Bounds on the mass of the b' quark, reexamined	PHYSICAL REVIEW D, 68 (9): Art. No. 093012 NOV 1 2003
0	Mimoso, JP; Nunes, A	A qualitative analysis of the attractor mechanism of general relativity	ASTROPHYSICS AND SPACE SCIENCE, 283 (4): 661-666 2003
1	Lind, PG; Corte-Real, J; Gallas, JAC	Effects of local nonlinearity and basin size in the dynamics of lattices of bistable maps	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 327 (1-2): 65-70 SEP 1 2003
0	Casasayas, J; Faisca, P; Nunes, A	Melnikov method for parabolic orbits	NODEA-NONLINEAR DIFFERENTIAL EQUATIONS AND APPLICATIONS, 10 (1): 119-131 2003
7	Gueorguiev, GK; Pacheco, JM	Shapes of cagelike metal carbide clusters: First-principles calculations	PHYSICAL REVIEW B, 68 (24): Art. No. 241401 DEC 2003
0	Reis, CL; Pacheco, JM; Martins, JL	First-principles norm-conserving pseudopotential with explicit incorporation of semicore states	PHYSICAL REVIEW B, 68 (15): Art. No. 155111 OCT 15 2003
9	Gueorguiev, GK; Pacheco, JM	Silicon and metal nanotemplates: Size and species dependence of structural and electronic properties	JOURNAL OF CHEMICAL PHYSICS, 119 (19): 10313-10317 NOV 15 2003
8	Andrienko, D; Tasinkevych, M; Patricio, P; Allen, MP; da Gama, MMT	Forces between elongated particles in a nematic colloid	PHYSICAL REVIEW E, 68 (5): Art. No. 051702 Part 1 NOV 2003
1	Tavares, JM; Tasinkevych, M; de Los Santos, F; da Gama, MMT	Orientational order in deposits of magnetic particles	MOLECULAR PHYSICS, 101 (11): 1659-1666 JUN 10 2003
2	Fortes, MA; Teixeira, PIC	Bubble size-topology correlations in two-dimensional foams derived from surface energy minimization	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, 36 (19): 5161-5173 MAY 16 2003
3	de los Santos, F; Tasinkevych, M; Tavares, JM; Teixeira, PIC	Deposition of magnetic particles: a computer simulation study	JOURNAL OF PHYSICS-CONDENSED MATTER, 15 (15): S1291-S1304 APR 23 2003
13	de los Santos, F; da Gama, MMT; Munoz, MA	Nonequilibrium wetting transitions with short range forces	PHYSICAL REVIEW E, 67 (2): Art. No. 021607 Part 1 FEB 2003
19	Brazhnyi, VA; Konotop, VV	Evolution of a dark soliton in a parabolic potential: Application to Bose-Einstein condensates	PHYSICAL REVIEW A, 68 (4): Art. No. 043613 Part B OCT 2003
4	Brazhnyi, VA; Kamchatnov, AM	Creation and evolution of trains of dark solitons in a trapped one-dimensional Bose-Einstein condensate	PHYSICAL REVIEW A, 68 (4): Art. No. 043614 Part B OCT 2003
3	Konotop, VV; Kevrekidis, PG	Bohr-Sommerfeld quantization condition for the Gross-Pitaevskii equation	PHYSICAL REVIEW LETTERS, 91 (23): Art. No. 230402 DEC 5 2003
6	Brazhnyi, VA; Kamchatnov, AM; Konotop, VV	Hydrodynamic flow of expanding Bose-Einstein condensates	PHYSICAL REVIEW A, 68 (3): Art. No. 035603 SEP 2003
6	Abdullaev, FK; Konotop, VV	Intrinsic localized modes in arrays of atomic-molecular Bose-Einstein condensates	PHYSICAL REVIEW A, 68 (1): Art. No. 013605 JUL 2003
0	Bludov, YV	Intrasubband plasmons in a weakly disordered array of quantum wires	LOW TEMPERATURE PHYSICS, 29 (7): 596-601 JUL 2003
18	Theocharis, G; Rapti, Z; Kevrekidis, PG; Frantzeskakis, DJ; Konotop, VV	Modulational instability of Gross-Pitaevskii-type equations in 1+1 dimensions	PHYSICAL REVIEW A, 67 (6): Art. No. 063610 JUN 2003
34	Abdullaev, FK; Kamchatnov, AM; Konotop, VV; Brazhnyi, VA	Adiabatic dynamics of periodic waves in Bose-Einstein condensates with time dependent atomic scattering length	PHYSICAL REVIEW LETTERS, 90 (23): Art. No. 230402 JUN 13 2003
3	Menzala, GP; Konotop, VV	Uniform decay rates of the solutions of a nonlinear lattice	NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 54 (2): 261-278 JUL 2003
0	Konotop, VV; Spire, A	Schrodinger equation for a noninteracting Bose gas on a spatiotemporal lattice	PHYSICAL REVIEW A, 67 (2): Art. No. 022111 FEB 2003
5	Garcia-Ripoll, JJ; Konotop, VV; Malomed, B; Perez-Garcia, VM	A quasi-local Gross-Pitaevskii equation for attractive Bose-Einstein condensates	MATHEMATICS AND COMPUTERS IN SIMULATION, 62 (1-2): 21-30 Sp. Iss. SI FEB 15 2003
3	Kevrekidis, PG; Konotop, VV	Compactons in discrete nonlinear Klein-Gordon models	MATHEMATICS AND COMPUTERS IN SIMULATION, 62 (1-2): 79-89 Sp. Iss. SI FEB 15 2003
7	J. Szeftel, G. Huang and V.V. Konotop	On the existence of moving breathers in one-dimensional anharmonic lattices	Physica D, 181, 215-221 (2003)
2	B.I. Ermolaev, M. Greco and S.I. Troyan	On the forward backward charge asymmetry in annihilation into hadrons at High-Energies	Physical Review D, 67, 014017 (2003)
2	D. Bang and B. Elmabsout	Complex representations, means on the regular n-gon and application to gravitational potential	Journal of Physics A: Mathematical and General, 36, 11435-11450 (2003)

Participation in the conferences, Books, Chapters, Proceedings

Author	Type	Co-author	Name of conference	Title	Place Data
V.V. Konotop	Inv. Talk		The Third IMACS International Conference on "Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory"	Dissipative Solitons	Athens, Georgia; USA April 2003
V.V. Konotop	Inv. Talk		The Third IMACS International Conference on "Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory"	Nonlinear Waves in Bose-Einstein Condensates	Athens, Georgia; USA April 2003
V.V. Konotop	Inv. Talk		NATO Advanced Research Workshop on Nonlinear Waves: Classical and Quantum Aspects	On control of matter solitons in optical lattices by Feshbach resonance	Estoril, Portugal July 13-17 (2003)
V.A. Brazhnyy	Talk	V.V. Konotop	NATO Advanced Research Workshop on Nonlinear Waves: Classical and Quantum Aspects	On evolution of a dark soliton in a parabolic potential: Application to Bose-Einstein condensates	Estoril, Portugal July 13-17 (2003)
D. Bang	Talk		International Conference "equadiff_2003",	Formal representations of complex functions, means on regular n-gons and relative equilibria	Hasselt, Belgium 22-26 July (2003)
	Talk	S.M. Oliveira and R. Santos	XXVII International Conference of Theoretical Physics "Matter To The Deepest"	New Bounds on the Mass of the B-Prime Quark	Ustron, Poland September 15-21 (2003)
	Talk	B.I. Ermolaev, M. Greco, S.M. Oliveira and S.I. Troyan	17th Les Rencontres de Physique de la Vallée d'Aoste: Results and Perspectives in Particle Physics	Forward backward charge asymmetry at very high-energies	La Thuile, Aosta Valley, Italy March 9-15 (2003)
	Talk	J. Verdasca, A. Nunes, J.M. Pacheco and M.M. Telo da Gama	Conferências Caminhos da Complexidade, Dinâmica de Redes: da Biologia às Ciências Sociais	Dynamics of Epidemics with Local and Long-Range Infection	Arrábida July 14-16 (2003)
	Talk	B.I. Ermolaev, M. Greco and S.I. Troyan	11th International Workshop on Deep Inelastic Scattering (DIS 2003),	Impact of the running qcd coupling on the value of the intercept of the structure function $g(1)$ singlet	St. Petersburg, Russia April 23-27 (2003)
M.M. Telo da Gama	Inv. Talk	P. Patrício	ESF Exploratory workshop on Liquid Crystal Colloid Dispersions	Colloidal interactions in 2D liquid crystals. Part I	Bled August 27-30 (2003)
P. Patrício	Talk	M.M. Telo da Gama	ESF Exploratory workshop on Liquid Crystal Colloid Dispersions	Colloidal interactions in 2D liquid crystals. Part II	Bled August 27-30 (2003)
	Talk	P. Patrício, N.M. Silvestre, M. Tasinkevych and M.M. Telo da Gama	Defect-induced interactions in colloidal liquid crystals. Part II	Defect-induced interactions in colloidal liquid crystals. Part I	Lisbon September 14-17 (2003)
	Talk	P. Patrício, N.M. Silvestre, M. Tasinkevych and M.M. Telo da Gama	Defect-induced interactions in colloidal liquid crystals. Part II	Defect-induced interactions in colloidal liquid crystals. Part II	Lisbon September 14-17 (2003)
	Talk	J. Verdasca, A. Nunes, J.M. Pacheco and M.M. Telo da Gama	Workshop on Mathematical and Computational Biology	Spatially extended Models for Epidemic Spread	IGC, Oeiras June 20 (2003)
	Talk	M.M. Telo da Gama et al.	Workshop on Mathematical and Computational Biology	CFTC's bioflavoured projects	IGC, Oeiras June 20 (2003)
	Talk	J.M. Tavares	Workshop da COSLAB "Cosmology in the Laboratory"	Structure and Phase transitions in dipolar fluids	May 23 (2003)
	Talk	J. Verdasca, A. Nunes, J.M. Pacheco and M.M. Telo da Gama	<i>A Física que se faz na Faculdade de Ciências</i>	Modelos epidemiológicos com estrutura espacial	Lisbon September 25-26 (2003)
P. Ferreira	Talk		<i>A Física que se faz na Faculdade de Ciências</i>	Fenomenologia de física de altas energias	Lisbon September 25-26 (2003)
	Talk	F. Carvalho Dias and I. R. Pimentel	<i>A Física que se faz na Faculdade de Ciências</i>	Propriedades Magnéticas de Supercondutores a Alta Temperatura	Lisbon September 25-26 (2003)
	Talk	N.S. Pereira and A.M. Nunes	<i>A Física que se faz na Faculdade de Ciências</i>	Encontros Próximos e Evolução Dinâmica do	Lisbon September 25-26

				Sistema Solar	(2003)
V.A. Brazhnyi	Talk		<i>A Física que se faz na Faculdade de Ciências</i>	Bose-Einstein Condensate: Past, Present and Future	Lisbon September 25-26 (2003)
	Talk	P. I. C. Teixeira, F. Barmes and D. J. Cleaver	ESF Exploratory Workshop on Nematic Colloids	Symmetric alignment of the nematic matrix between close penetrable colloidal particles'	Bled, Slovenia August (2003)
	Talk	P. I. C. Teixeira and M. A. Fortes,	II International Materials Symposium - Materiais 2003	Surface energy minimisation in two-dimensional cellular systems'	Universidade Nova de Lisboa, Lisbon, Portugal April (2003)
	Talk	P. I. C. Teixeira, M. A. Fortes and M. F. Vaz	6th Ibero-American Workshop on Complex Fluids and Applications	Distribution of film orientations in free bubble clusters	Lisbon, Portugal September (2003)
P.F.N. Faisca	Talk		<i>The GEILO NATO schools</i>	Forces, growth and form in soft condensed matter: At the interface between physics and biology	Geilo, Norway March 24 -April 3 (2003)
	Poster	N. M. Silvestre, P. Patrício, and M. M. Telo da Gama	ESF Exploratory workshop on liquid Crystal Colloid Dispersions	Colloid-wall interactions in 2d nematic liquid crystals	Bled, Slovenia 27-30 de Agosto de 2003
	Poster	M.M. Telo da Gama	<i>A Física que se faz na Faculdade de Ciências</i>	CFTC – Centro de Física Teórica e Computacional	Lisbon September 25-26 (2003)
	Poster	F. Carvalho Dias, I. R. Pimentel and M. Henkel	<i>A Física que se faz na Faculdade de Ciências</i>	Persistent Currents in Mesoscopic Rings	Lisbon September 25-26 (2003)
	Poster	N.M. Silvestre, M. Tasinkevych, P. Patrício and M.M. Telo da Gama	<i>A Física que se faz na Faculdade de Ciências</i>	Colloidal liquid crystals	Lisbon September 25-26 (2003)
	Poster	J.M. Tavares, M. Tasinkevych, F. de los Santos and M.M. Telo da Gama	<i>A Física que se faz na Faculdade de Ciências</i>	Deposition of magnetic particles	Lisbon September 25-26 (2003)
	Poster	J.M. Tavares, M.M. Telo da Gama and J.J. Weis	<i>A Física que se faz na Faculdade de Ciências</i>	Structure of quasi-two dimensional dipolar fluids	Lisbon September 25-26 (2003)
	Poster	T.C. Charters, A.M. Nunes and J.P. Mimoso	<i>A Física que se faz na Faculdade de Ciências</i>	Instability pockets in reheating	Lisbon September 25-26 (2003)
	Poster	J. Font, A. Nunes and C. Simo	XIV International Congress on Mathematical Physics	Consecutive quasi-collisions in the RTBP	Lisbon August (2003)
	Poster	P.F.N. Faisca, M.M Telo da Gama and R.C. Ball	International School of Physics Enrico Fermi, "The physics of complex systems: New advances and perspectives"	Protein folding kinetics: Insights from lattice simulatios	Lago Como, Varenna, June - July (2003)
	Poster	V.A. Brazhnyi	<i>27th Workshop on Intrinsic Localized Modes and Discrete Breathers in Nonlinear Lattices</i>	Localized modes of DNLS: Towards classification	Erice-Sicily, Italy, July 21-27 (2003)
V. V. Konotop, G. L.Alfimov, P. G.Kevrekidis and M.Salerno	Books, Chapters, proceedings	Editors: M.J. Ablowitz, M. Boiti, F. Pempinelli and B. Prinari	Nonlinear Physics: Theory and Experiment II	On the reduction of a nonlinear Schrodinger equation with a periodic potential to a vector lattice	World Scientific, 280-286 (2003)
A. Spire, V.V. Konotop and L. Vázquez	Books, Chapters, proceedings	Editors: M.J. Ablowitz, M. Boiti, F. Pempinelli and B. Prinari	Nonlinear Physics: Theory and Experiment II	Space-time lattice for operator Schrodinger equation	World Scientific, 125-131 (2003)
Z. Rapti, P.G. Kevrekidis and V. V. Konotop	Books, Chapters, proceedings	Editors: L. Vázquez, R.S. Mackay and M.P. Zorano	Localization and Energy Transfer in Nonlinear Systems	On the modulational stability of Gross-Pitaevskii type equation in 1+1 dimensions	World Scientific, 210-216 (2003)
J. M. Tavares, J. J. Weis and M. M. Telo da Gama	Books, Chapters, proceedings	Editors P. L. Garrido and J. Marro	Seventh Granada Lectures: Modeling of Complex Systems	Equilibrium structure of the quasi two dimensional dipolar fluid	AIP Proceedings, 661, 209-213 (2003)

F. de los Santos, M. M. Telo da Gama and M. Muñoz	Books, Chapters, proceedings	Editors P. L. Garrido and J. Marro	Seventh Granada Lectures: Modeling of Complex Systems	Depinning and Wetting in Nonequilibrium systems	AIP Proceedings, 661, 102-106 (2003)
S.M. Oliveira and R. Santos	Books, Chapters, proceedings		27th International Conference of Theoretical Physics: Matter to the Deepest: Recent Developments in Physics of Fundamental Interactions	New Bounds on the Mass of the B-Prime Quark	Acta Physica Polonica, B34, 5523-5530 (2003)
P.F.N. Faísca, M.M. Telo da Gama and R.C. Ball	Books, Chapters, proceedings	Editors: F. Mallamace and E. Stanley (Ed)	Proceedings of the International School of Physics Enrico Fermi "The physics of complex systems: New advances and perspectives"	Protein folding kinetics: Insights from lattice simulations	IOS Press (2003)
B.I. Ermolaev, M. Greco and S.I. Troyan	Books, Chapters, proceedings	Editors: Viktor Kim	11th International Workshop On Deep Inelastic Scattering (DIS 2003)	Impact of The Running QCD Coupling on the Value of the Intercept of the Structure Function $G(1)$ Singlet	INP Proceedings (2003)
B.I. Ermolaev, M. Greco, S.M. Oliveira and S.I. Troyan	Books, Chapters, proceedings	Editors: M. Greco and G. Bellettini	17th Rencontres de Physique de la Valle d'Aoste: Results and Perspectives in Particle Physics	Forward Backward Charge Asymmetry at Very High-Energies	INP Proceedings (2003)
M.M. Telo da Gama	Books, Chapters, proceedings	Editors D. Landau, A. Milchev and B. Duenweg	in Computer Simulations of Surfaces and Interfaces	Theory of Wetting and Surface Critical Phenomena	NATO-ASI, series II, 114, 239-258 (Kluwer, 2003)

Publications

Cited	Authors	title	Source
13	Ferreira, PM; Santos, R; Barroso, A	Stability of the tree-level vacuum in two Higgs doublet models against charge or CP spontaneous violation	PHYSICS LETTERS B, 603 (3-4): 219-229 DEC 9 2004
1	Barroso, A; Ermolaev, BI; Greco, M; Oliveira, SM; Troyan, SI	Electroweak 2 \rightarrow 2 amplitudes for electron-positron annihilation at TeV energies	PHYSICAL REVIEW D, 69 (3): Art. No. 034012 FEB 1 2004
3	Faisca, PFN; da Gama, MMT; Ball, RC	Folding and form: Insights from lattice simulations	PHYSICAL REVIEW E, 69 (5): Art. No. 051917 Part 1 MAY 2004
30	Lind, PG; Gallas, JAC; Herrmann, HJ	Coherence in scale-free networks of chaotic maps	PHYSICAL REVIEW E, 70 (5): Art. No. 056207 Part 2 NOV 2004
4	Lind, PG; Corte-Real, J; Gallas, JAC	Pattern formation in diffusive-advective coupled map lattices	PHYSICAL REVIEW E, 69 (6): Art. No. 066206 Part 2 JUN 2004
0	Vessen, MV; Rech, PC; Beims, MW; Freire, JA; da Luz, MGE; Lind, PG; Gallas, JAC	The dynamics of complex-amplitude norm-preserving lattices of coupled oscillators	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 338 (3-4): 537-543 JUL 15 2004
3	Lind, PG; Titz, S; Kuhlbrodt, T; Corte-Real, JAM; Kurths, J; Gallas, JAC; Feudel, U	Coupled bistable maps: A tool to study convection parameterization in ocean models	INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, 14 (3): 999-1015 MAR 2004
14	Lind, PG; Corte-Real, J; Gallas, JAC	Inducing coherence in networks of bistable maps by varying the interaction range	PHYSICAL REVIEW E, 69 (2): Art. No. 026209 Part 2 FEB 2004
9	Gueorguiev, GK; Pacheco, JM; Tomanek, D	Quantum size effects in the polarizability of carbon fullerenes	PHYSICAL REVIEW LETTERS, 92 (21): Art. No. 215501 MAY 28 2004
6	Fortes, MA; Rosa, ME; Vaz, MF; Teixeira, PIC	Mechanical instabilities of bubble clusters between parallel walls	EUROPEAN PHYSICAL JOURNAL E, 15 (4): 395-406 DEC 2004
0	Fortes, MA; Teixeira, PIC	Helmholtz and Gibbs free energies of liquid foams	PHILOSOPHICAL MAGAZINE LETTERS, 84 (11): 737-743 NOV 2004
1	Patricio, P	Hertz contact in chain elastic collisions	AMERICAN JOURNAL OF PHYSICS, 72 (12): 1488-1491 DEC 2004
11	Andrienko, D; Patricio, P; Vinogradova, OI	Capillary bridging and long-range attractive forces in a mean-field approach	JOURNAL OF CHEMICAL PHYSICS, 121 (9): 4414-4423 SEP 1 2004
2	Silvestre, NM; Patricio, P; da Gama, MMT	Key-lock mechanism in nematic colloidal dispersions	PHYSICAL REVIEW E, 69 (6): Art. No. 061402 Part 1 JUN 2004
2	de los Santos, F; Tavares, JM; Tasinkevych, M; da Gama, MMT	Diffusion-limited deposition of dipolar particles	PHYSICAL REVIEW E, 69 (6): Art. No. 061406 Part 1 JUN 2004
4	Silvestre, NM; Patricio, P; Tasinkevych, M; Andrienko, D; da Gama, MMT	Colloidal discs in nematic liquid crystals	JOURNAL OF PHYSICS-CONDENSED MATTER, 16 (19): S1921-S1930 Sp. Iss. SI MAY 19 2004
10	Andrienko, D; Tasinkevych, M; Patricio, P; da Gama, MMT	Interaction of colloids with a nematic-isotropic interface	PHYSICAL REVIEW E, 69 (2): Art. No. 021706 Part 1 FEB 2004
2	Teixeira PIC, Barmes F, Cleaver DJ	Symmetric alignment of the nematic matrix between close penetrable colloidal particles	JOURNAL OF PHYSICS-CONDENSED MATTER 16(19): s1969-S1980 Sp.Iss.SI, MAY 19 2004
6	Kostov, NA; Enol'skii, VZ; Gerdjikov, VS; Konotop, VV; Salerno, M	Two-component Bose-Einstein condensates in periodic potential	PHYSICAL REVIEW E, 70 (5): Art. No. 056617 Part 2 NOV 2004
11	Konotop, VV; Pitaevskii, L	Landau dynamics of a grey soliton in a trapped condensate	PHYSICAL REVIEW LETTERS, 93 (24): Art. No. 240403 DEC 10 2004
1	Kevrekidis, PG; Konotop, VV; Malomed, BA; Bishop, AR	Nonlinearity from geometric interactions: A case example	PHYSICAL REVIEW E, 70 (4): Art. No. 047602 Part 2 OCT 2004
6	Brazhnyi, VA; Konotop, VV; Kuzmiak, V	Dynamics of matter solitons in weakly modulated optical lattices	PHYSICAL REVIEW A, 70 (4): Art. No. 043604 OCT 2004
1	Kamchatnov, AM; Spire, A; Konotop, VV	On dissipationless shock waves in a discrete nonlinear Schrodinger equation	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, 37 (21): 5547-5568 MAY 28 2004
75	Brazhnyi, VA; Konotop, VV	Theory of nonlinear matter waves in optical lattices	MODERN PHYSICS LETTERS B, 18 (14): 627-651 JUN 10 2004
11	Alfimov, GL; Brazhnyi, VA; Konotop, VV	On classification of intrinsic localized modes for the discrete nonlinear Schrodinger equation	PHYSICA D-NONLINEAR PHENOMENA, 194 (1-2): 127-150 JUL 1 2004

0	Menzala, GP; Rivera, JEM; Konotop, VV	Uniform rates of decay of solutions for a nonlinear lattice with memory	ASYMPTOTIC ANALYSIS, 38 (2): 167-185 MAY 2004
20	Perez-Garcia, VM; Konotop, VV; Brazhnyi, VA	Feshbach resonance induced shock waves in Bose-Einstein condensates	PHYSICAL REVIEW LETTERS, 92 (22): Art. No. 220403 JUN 4 2004
0	Cao FJ	Freezing of nonlinear Bloch oscillations in the generalized discrete nonlinear Schrodinger equation	PHYSICAL REVIEW E 70 (3): Art. No. 036614 Part 2, SEP 2004
1	Chi-Toung Pham, Caroline Nore, Marc-Etienne Brachet	Boundary layers in Gross-Pitaevskii superflow around a disk	C.R. Physique 5, 3-8 (2004)
1	A. Barroso, B.I. Ermolaev, S.M. Oliveira and S.I. Troyan	Electroweak 2@2 Amplitudes for Electron positron Annihilation at TEV Energies	Physical Review D, 69, 034012(2004)
2	J. Benoit, E. von Hauff and A. Saxena	Self-dual bending theory for vesicles	Nonlinearity, 17, 57–66 (2004)
5	T. Nedelea and H. M. Urbassek	Parametric study of ion acceleration in a one-dimensional plasma expansion using the particle-in-cell simulation	Physical Review E, 69, 056408 (2004)
2	T. Nedelea and H. M. Urbassek	Particle-in-cell study of charge-state segregation in expanding plasmas due to three-body recombination	Journal Physics D: Appl. Phys., 37, 2981-2986 (2004)

Participation in the conferences, Books, Chapters, Proceedings

Author	Type	Co-author	Name of conference	Title	Place Data
	Talk	M. M. Telo da Gama, A. Nunes, J. Pacheco and J. Verdasca	<i>Cost P10 Kick-off Workshop "Physics of Risk"</i>	Recurrent epidemics without external forcing	Nyborg, Denmark April 17-20, (2004)
J. Pacheco	Talk		<i>CNET 2004, Science of complex networks, from biology to the Internet and www</i>	Network Dependence of the Dilemmas of Cooperation	Aveiro, Portugal August 29- September 2 (2004)
	Talk	J. P. Mimoso A. Nunes and D. Pavon	Phi in the sky Workshop "The quest for cosmological scalar fields",	Scaling behaviour in warm inflation,	Porto, Portugal July 8 – 10 (2004)
M. M. Telo da Gama	Inv. Talk		<i>STATPHYS, 22nd International IUPAP Conference on Thermodynamics and Statistical Mechanics</i>	Colloidal Interactions in 2D Nematic Emulsions	Bangalore, India July 4-9 (2004)
P. Patricio	Talk		<i>STATPHYS, 22nd International IUPAP Conference on Thermodynamics and Statistical Mechanics</i>	The key-lock mechanism in nematic colloidal dispersions.	Bangalore, India July 4-9 (2004)
V.V. Konotop	Inv. Talk		<i>National Meeting of the Portuguese Mathematical Society, Section: Mathematical Physics</i>	Condensação de Bose-Einstein: modelos matemáticos	Porto, Portugal May 5-8 (2004)
V.V. Konotop	Inv. Talk		<i>Workshop on Nonlinear Wave (UNESP)</i>	Nonlinear Matter Waves in Optical Lattices: Some Theoretical Issues	Sao Paulo August 12-13 (2004).
C-T. Pham	Talk		<i>Journées de Physique Statistique 2004, ESPCI</i>	Boundary layers in a Gross-Pitaevskii superflow past a disk	Paris, France January 29-30 (2004)
	Talk	P. I. C. Teixeira, M. A. Osipov and G. R. Luckhurst	Topical Meeting on Biaxiality, Southampton Liquid Crystal Institute	A simple model for biaxial smectic phases'	Romsey, England November (2004)
	Talk	N. Clarke, R. A. Duckett, D. J. Read, P. I. C. Teixeira, T. C. B. McLeish, J. Sweeney, J. R. Hobdell and G. Eckhout	40th IUPAC World Polymer Congress MACRO 2004	Mean field calculations of morphology development in polymer blends'	Paris, France July (2004)
	Talk	P. I. C. Teixeira, M. A. Fortes, M. E. Rosa and M. F. Vaz	Eufoam 2004	Mechanical instabilities of foam clusters between parallel plates	Universite de Marne-La Vallee, France July (2004)
	Talk	P. I. C. Teixeira, F. Graner and M. A. Fortes	Royal Society of Chemistry and Institute of Physics Modelling and Simulation of Colloids Conference	Mixing and sorting of bidisperse two-dimensional bubbles'	Sheffield Hallam University, Sheffield, England September (2004)
	Poster	M. F. Vaz, M. A. Fortes and P. I. C. Teixeira	Eufoam 2004	Topological and geometrical transitions in two-dimensional Plateau borders under gravity	Universite de Marne-La Vallee, France July (2004)

	Poster	P. N. Faisca and M. M. Telo da Gama	<i>CNET 2004, Science of complex networks, from biology to the Internet and www</i>	Native geometry and the dynamics of contact pattern formation in protein folding	Aveiro, Portugal August 29 - September 2 (2004)
	Poster	P. N. Faisca and M.M. Telo da Gama	<i>Protein-Protein interactions in Vitro and in Vivo, an Isaac Newton Institute Workshop</i>	Native state geometry and the kinetics of protein folding	Cambridge, United Kingdom June 21-23 (2004).
	Poster	P. N. Faisca and M. M. Telo da Gama	<i>Biology after the genome: A physical view, I BIFI International Conference</i>	On folding and form: Insights from lattice simulations	Saragoça, Spain February 11-13 (2004)
	Poster	J. M. Tavares, J-J. Weis and M. M. Telo da Gama	<i>CCP 2004 Conference on Computational Physics 2004</i>	The nature of the phase transition in dipolar fluids	Genoa, Italy September 1-4 (2004)
	Poster	F. de los Santos, J. M. Tavares, M. Tasinkevych and M. M. Telo da Gama	<i>SIMU 2004 Bridging the scales</i>	Diffusion-limited deposition with dipolar interactions	Genoa, Italy August 4 30-31 (2004)
	Poster	F. de los Santos, J. M. Tavares, M. Tasinkevych and M. M. Telo da Gama	<i>CCP 2004 Conference on Computational Physics 2004</i>	Diffusion-limited deposition with dipolar interactions	Genoa, Italy September 1-4 (2004)
	Poster	F. C. Santos and J. Pacheco	<i>CNET 2004, Science of complex networks, from biology to the Internet and www</i>	Role of Graph topology in the Evolution of Cooperation	Aveiro, Portugal August 29-2 (2004)
	Poster	N. R. Bernardino, A. Nunes and M. M. Telo da Gama	<i>CNET 2004, Science of complex networks, from biology to the Internet and www</i>	Endemic persistence and percolation transition on small-world networks	Aveiro, Portugal August 29-2 (2004)
	Poster	J. Verdasca, M. M. Telo da Gama, A. Nunes, N. R. Bernardino, J. Pacheco and M. Gomes	<i>CNET 2004, Science of complex networks, from biology to the Internet and www</i>	Recurrent epidemics in small-world networks	Aveiro, Portugal August 29-2 (2004)
	Poster	T. C. Charters, A. Nunes and J. P. Mimoso	GR17 - 17th International Conference on General Relativity and Gravitation	Preheating for field interactions of a general form	Dublin, Ireland July 18-23 (2004)
	Poster	V. Brazhnyy	<i>Workshop on Ultracold Fermi Gases,</i>	Feshbach resonance induced shock waves in Bose-Einstein condensates	Levico, Trento, Italy March 4-6 (2004).
	Poster	C-T. Pham	<i>Rencontres du Non-Lineaire 2004, IHP</i>	Critical speed for capillary-gravity surface flows in the shallow water limit	Paris, France March 10-12 (2004)
	Poster	A.J. Palace Carvalho, T. Ferreira, A.J. Estêvão Candeias, J.P. Prates Ramalho	QUITEL XXX,	Simulation of dichloromethane and nitrogen adsorption in MCM-41	Porto, Portugal September 8-12 (2004)
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	Poster	J. P. Prates Ramalho, A. B. Rabinovich, D. V. Yeremich and Yu. K.Tovbin	ISSHAC-5,	Surface Topography Problem and Argon Adsorption on Crystalline Faces: Monte-Carlo and Lattice-Gas Model Simulations	Gdansk, Poland August 28 - September 4 (2004)
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V.A. Brazhnyi and V.V. Konotop	Books, Chapters Proceed	Editors: F.Kh.Abdullaev and V.V.Konotop,	Nonlinear Waves: Classical and Quantum Aspects	Control of matter waves by Feshbach resonance	NATO Science Series, 153, 251-267 (Kluwer Academic Publishers,2004)
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5	P. I. C. Teixeira and M. A. Fortes	Decoration Plateau borders in two-dimensional liquid foams: geometry and excess energy	Philosophical Magazine, 85, 1303--1322 (2005)

Participation in the conferences, Books, Chapters, Proceedings

Author	Type	Co-author	Name of conference	Title	Place Data
A.M. Nunes	Inv Talk	M. Telo da Gama	COST P10 Physics of Risk 2nd Annual Meeting	The role of host contact structure in pathogen diversity and evolution	Toledo 2005
M. Telo da Gama	Inv Talk	A.M. Nunes	Third NEXT-SigmaPhi International Conference	Small world network structures and the dynamics of infectious diseases	Kolymbari, Gree August (2005).
V. V. Konotop	Inv Talk	V. A. Brazhnyi	International workshop Solitons in Bose-Einstein Condensates	Feshbach resonance management of matter waves in optical lattices	Almagro, Spain 9-12 February (2005).
V. V. Konotop	Inv Talk	V.A. Brazhnyi	International conference on Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory"	Interaction of Matter solitons with defects in Optical lattices	Athens, USA 11-14 de Abril de 2005
V. V. Konotop	Inv Talk	P. Pacciani	International conference on Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory	On collapse in nonlinear Schroedinger equation with periodically varying nonlinearity	Athens, USA 11-14 de Abril de 2005
R.C. Ball	Inv Talk	T.M. Fink and P.F.N. Faisca	IoP Physics 2005: A century after Einstein	Protein molecules as associative memories, folding performance and optimisation	University of Warwick, U. K., 10-14 April (2005).
V.A. Brazhnyi	Inv Talk	V.V. Konotop	SOLIBEC: Solitons in Bose-Einstein Condensates	Stable and unstable dark solitons of coupled nonlinear Schrödinger equations. Application to two-component Bose-Einstein condensates	Almagro, Spain Feb. 9-12 (2005).
M. Telo da Gama	Inv Talk		Física 2005, Física para o Século XXI	Fora da lei: O papel da desordem na formação de padrões complexos (palestra plenária)	Porto, Portugal December (2005).
P.G. Lind	Talk	A. Mora, J.A.C. Gallas and M. Haase	5th Annual Meeting of the European Meteorological Society, 7th European Conference on Applications of Meteorology	A variational problem to reduce stochasticity in the North Atlantic Oscillation index	Utrecht, Holland 12-16 September (2005)
P.G. Lind,	Talk	A. Mora, J.A.C. Gallas and M. Haase	3th International IEEE Workshop on Nonlinear Dynamics of Electronic System	How noisy is the North Atlantic Oscillation?	Potsdam, Germany 18-22 September (2005)
P.G. Lind,	Talk	A. Nunes and J.A.C. Gallas	IX Latin American Workshop on Nonlinear Phenomena (LAWNP05)	Synchronization in complex networks of discrete maps with delayed coupling	San Carlos de Bariloche, Argentina 2005
	Talk	P.G. Lind, A. Mora, J.A.C. Gallas and M. Haase	XXV Dynamics Days Europe 2005	Coupled Langevin Equations for the North Atlantic Oscillation	Berlin, Germany 25-28 July (2005).
J.M. Pacheco	Talk		Advances in Physical Science,	Darwin, Cooperation and its evolution	Aveiro, Portugal, September (2005).
J.M. Pacheco	Talk		Co-Evolution and Self-Organization in Dynamical Networks	Growth & Preferential attachment provide a robust and unifying framework for the Emergence of Cooperation	Salou, Spain March (2005).

V.A. Brazhnyi	Talk	<u>V.V.Konoto</u> <u>p</u>	International conference "Symmetry in Nonlinear Mathematical Physics",	Dynamics of vector dark soliton of coupled nonlinear Schrödinger equations. Application to two-component Bose-Einstein condensates	Institute of Mathematics, National Academy of Sciences of Ukraine, Kiev, Ukraine June 20-26 (2005).
V.V. Konotop,	Talk	P. G. Kevrekidis and M. Salerno	JS2 - Joint CLEO®/Europe-EQEC Symposium on Quantum/Atom Optics in Periodic Media,	Landau-Zener tunneling in Bose-Einstein condensate	Munich, Germany 12-17 June (2005).
V.V. Konotop	Talk	P. Pacciani	International workshop FPU+50: Nonlinear Waves 50 Years after Fermi-Pasta-Ulam,	On collapse in nonlinear Schroedinger equation with periodic coefficients. Applications to Bose-Einstein condensate	Rouen, France 21-25 June (2005).
	Talk	P.M. Ferreira	HEP-EPS 2005	Tree-Level Vacuum Stability in Multi Higgs Models	Lisboa, Portugal, 21-27 July (2005).
	Talk	R. Santos	ICHEMP 05- International Conference on High Energy and Mathematical Physics	Tree-level vacuum stability in two Higgs doublet models	Cadi Ayyad University, Marrakech, Morocco 4-April (2005).
	Talk	M. F. Vaz, M. A. Fortes and P. I. C. Teixeira	University of Wales	Transitions in Plateau borders'	Aberystwyth, Wales June (2005)
	Talk	M. H. Godinho, A. C. Trindade, J. L. Figueirinhas, L. V. Melo, P. Brogueira, A. M. Deus and P. I. C. Teixeira	International Liquid Crystal Elastomer Conference 2005	Tuneable micro- and nano-periodic structures in a free-standing flexible urethane/urea elastomer film	Cambridge, England September (2005)
	Poster	M. A. Fortes and P. I. C. Teixeira,	6th Liquid Matter Conference	Line tension in three-dimensional foams'	Utrecht, The Netherlands July (2005)
	Poster	<u>N. Silvestre</u> , P. Patrício and M. Telo da Gama	6th Liquid Matter Conference of the European Physical Society	Capturing colloids in 2D nematic liquid crystals	Utrecht, Holland 2 - 6 July (2005).
	Poster	<u>P. Patrício</u> , N. Silvestre and M. Telo da Gama	6th Liquid Matter Conference of the European Physical Society	Colloidal interactions in nematic liquid crystals: The interaction of colloids with a nematic isotropic interface	Utrecht, Holland 2 - 6 July (2005).
	Poster	C.-T. Pham	6th Liquid Matter Conference of the European Physical Society	Critical speed for capillary-gravity surface flows in the dispersive shallow water limit	Utrecht, Holland 2 - 6 July (2005).
	Poster	V.A. Brazhnyi, <u>V.V. Konotop</u> and V. Kuzmiak	CLEO®/Europe-EQEC 2005, International Congress Centre Munich,	Dynamics of matter solitons in modulated optical lattices	Munich, Germany June 12 - 17 (2005).
	Poster	<u>J. M. Tavares</u> , A. M. Nunes and M. Telo da Gama	Beyond Einstein - Physics for the 21st century, 13th General Conference of the European Physical Society	Language evolution in structured populations	Bern, Switzerland July (2005).
	Poster	<u>F. de los Santos</u> , M. Muñoz and M. Telo da Gama	8th Granada Seminar on Computational Physics: Modelling cooperative behaviour in the social sciences	Mechanisms for the generic stabilization of complex structures	Granada, Spain February (2005).
	Poster	<u>J. Benoit</u> , A. Nunes and M. Telo da Gama	Third NEXT-SigmaPhi International Conference	Pair approximation models for small world networks	Kolymbari, Greece August (2005).
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V. V. Konotop	Books, Chapters Proceed	Editors N. Akhmeddiev and A. Ankievicz	in "Dissipative Solitons"	Nonlinear Schrödinger Equation with Dissipation: Two Models for Bose-Einstein Condensates	(Springer-Verlag, 2005) pp. 343-372
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J. M. Pacheco & Francisco C. Santos	Books, Chapters Proceed	Editor: J. F. F. Mendes	Science of Complex Networks: from Biology to the Internet and WWW	Network dependence of the dilemmas of cooperation	AIP Conference Proceedings 776, 90-100 (2005)
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7	Pacheco, JM ; Traulsen, A; Nowak, MA	Active linking in evolutionary games	JOURNAL OF THEORETICAL BIOLOGY, 243 (3): 437-443 DEC 7 2006
14	Santos, FC ; Pacheco, JM ; Lenaerts, T	Cooperation prevails when individuals adjust their social ties	PLOS COMPUTATIONAL BIOLOGY, 2 (10): 1284-1291 OCT 2006
5	Traulsen, A; Pacheco, JM ; Imhof, LA	Stochasticity and evolutionary stability	PHYSICAL REVIEW E, 74 (2): Art. No. 021905 Part 1 AUG 2006
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10	Traulsen, A; Nowak, MA ; Pacheco, JM	Stochastic dynamics of invasion and fixation	PHYSICAL REVIEW E, 74 (1): Art. No. 011909 Part 1 JUL 2006
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1	Silvestre, NM; Patricio, P; da Gama, MMT	Elliptical soft colloids in smectic-C films	PHYSICAL REVIEW E, 74 (2): Art. No. 021706 Part 1 AUG 2006
1	Al Hammal, O; Santos, FD; Munoz, MA; da Gama, MMT	Kardar-Parisi-Zhang interfaces bounded by long-ranged potentials	PHYSICAL REVIEW E, 74 (1): Art. No. 011121 Part 1 JUL 2006
4	Tavares, JM; Weis, JJ; da Gama, MMT	Phase transition in two-dimensional dipolar fluids at low densities	PHYSICAL REVIEW E, 73 (4): Art. No. 041507 Part 1 APR 2006
3	Tasinkevych, M; Tavares, JM; de los Santos, F	Diffusion-limited deposition with dipolar interactions: Fractal dimension and multifractal structure	JOURNAL OF CHEMICAL PHYSICS, 124 (6): Art. No. 064706 FEB 14 2006
3	Dias, FC; Pimentel, IR; Henkel, M	Persistent current and Drude weight in mesoscopic rings	PHYSICAL REVIEW B, 73 (7): Art. No. 075109 FEB 2006
1	Teixeira, PIC; Osipov MA; Luckhurst GR	Simple Model for biaxial smectic-A liquid-crystal phase	PHYSICAL REVIEW E, 73 (6): Art. No. 061708 Part 1 Jun 2006
7	Bludov, YV; Konotop, VV	Localized modes in arrays of boson-fermion mixtures	PHYSICAL REVIEW A, 74 (4): Art. No. 043616 OCT 2006
2	Bludov, YV; Santhanam, J ; Kenkre, VM ; Konotop, VV	Matter waves of Bose-Fermi mixtures in one-dimensional optical lattices	PHYSICAL REVIEW A, 74 (4): Art. No. 043620 OCT 2006
2	Perez-Garcia, VM ; Torres, PJ ; Konotop, VV	Similarity transformations for nonlinear Schrodinger equations with time-dependent coefficients	PHYSICA D-NONLINEAR PHENOMENA, 221 (1): 31-36 SEP 1 2006
0	Brazhnyi, VA ; Konotop, VV ; Perez-Garcia, VM	Defect modes of a Bose-Einstein condensate in an optical lattice with a localized impurity	PHYSICAL REVIEW A, 74 (2): Art. No. 023614 AUG 2006
4	Brazhnyi, VA; Konotop, VV; Pitaevskii, LP	Dark solitons as quasiparticles in trapped condensates	PHYSICAL REVIEW A, 73 (5): Art. No. 053601 MAY 2006
4	Brazhnyi, VA; Konotop, VV; Kuzmiak, V	Nature of the intrinsic relation between Bloch-band tunneling and modulational instability	PHYSICAL REVIEW LETTERS, 96 (15): Art. No. 150402 APR 21 2006
3	Brazhnyi, VA; Konotop, VV; Perez-Garcia, VM	Driving defect modes of Bose-Einstein condensates in optical lattices	PHYSICAL REVIEW LETTERS, 96 (6): Art. No. 060403 FEB 17 2006
2	Santhanam, J; Kenkre, VM; Konotop, VV	Solitons of Bose-Fermi mixtures in a strongly elongated trap	PHYSICAL REVIEW A, 73 (1): Art. No. 013612 JAN 2006
0	M. Le Delliou	Dynamical quintessence fields Press-Schechter mass function: detectability and effect on dark haloes	Journal of Cosmology and Astroparticle Physics, 0601, 021 (2006)
0	O. Kuksenok, R.D.M. Travasso, and A.C. Balazs	Dynamics of ternary mixtures with photosensitive chemical reactions: Creating three-dimensionally ordered blends	Physical Review E, 74, 011502 (2006)
7	R.D.M. Travasso, O. Kuksenok and A.C. Balazs	Exploiting photo induced reactions in polymer blends to create hierarchically ordered, defect-free materials	Langmuir, 22, 2620 - 2628 (2006)

Participation in the conferences Books, Chapters, Proceedings

Author	Type	Co-author	Name of conference	Title	Place Data
V. V. Konotop	Inv Talk	V. A. Brazhnyi and L. P. Pitaevskii	International Workshop on Dissipative solitons	Dark solitons in time-dependent traps	Dresden, Germany January (2006)
M. M. Telo da Gama	Inv Talk	A. Nunes	XXXV Winter Meeting on Statistical Physics	Network structure, fluctuations and the dynamics of infectious diseases	Taxco, Mexico January (2006)
P. F. N. Faisca	Inv Talk		Conference on Soft Matter and Interfaces	From toy models to real protein folding: How far can we go?	Lisbon, Portugal May (2006)
M. M. Telo da Gama	Inv Talk		International School of Liquid Crystals, 13th Workshop on Colloids, Interfaces and Liquid Crystals	Surface effects on nematics: interfaces, decorated surfaces and colloids	Erice, Italy July (2006)
V. V. Konotop	Inv Talk	V. A. Brazhnyi and V. M. Pérez-García	International Workshop on Solitons and Nonlinear Phenomena in Degenerate Quantum Gases	Defect modes of a Bose-Einstein condensate in an optical lattice with a localized impurity	Cuenca, Spain September (2006)
J. M. Pacheco	Inv Talk		Conference on Complex Systems: from Physics to Biology and the Social Sciences	Co-evolution of strategy and structure in complex networks with dynamical linking	Lisbon, Portugal November (2006)
J. M. Pacheco	Inv Talk		BIRS Workshop on Evolutionary Game Dynamics	Co-evolution of strategy and structure leads to the emergence of cooperation	Alberta, Canada 14 June (2006)

I. R. Pimentel	Talk	F. Carvalho Dias	APS Annual Meeting on Condensed Matter Physics	Spin Correlations and Magnetic Susceptibilities of Lightly Doped Antiferromagnets	Baltimore, U.S.A., March (2006)
F. Carvalho Dias	Talk	I. R. Pimentel and M. Henkel	APS Annual Meeting on Condensed Matter Physics	Persistent Current and Drude Weight in Mesoscopic Rings	Baltimore, U.S.A., March (2006)
N. Silvestre	Talk	: P. Patrício and M. M. Telo da Gama	International School of Liquid Crystals, 13th Workshop on Colloids, Interfaces and Liquid Crystals	Elliptic inclusions in smectic-C films	Erice, Italy July (2006)
P. I. C. Teixeira	Talk	M. A. Fortes	Eufoam 2006	Energy and tension of films and Plateau borders in a foam	Potsdam, Germany July (2006)
T. Charters	Talk	A. Nunes and J. P. Mimoso	11th Marcel Grossmann Meeting on General Relativity	Dynamics and particle production in reheating	Berlin, Germany 23-29 July, 2006
D. Pavón	Talk	A. Nunes and J. P. Mimoso	11th Marcel Grossmann Meeting on General Relativity	Bulk viscosity impact on the scenario of warm inflation	Berlin, Germany 23-29 July, 2006
M. Le Delliou	Talk		11th Marcel Grossmann Meeting on General Relativity	Probing Dynamical Dark Energy with Press-Schechter Mass Functions	Berlin, Germany 23-29 July, 2006
V. A. Brazhnyi	Talk	V. V. Konotop and V. M. Pérez-García	15th International Laser Physics Workshop (LPHYS'06)	Defect modes in arrays of Bose-Einstein condensates with a localized impurity	Lausanne, Switzerland July (2006)
J. M. Pacheco	Talk		Mathematics in Biology and Medicine	Stochastic dynamics of hematopoietic tumor stem cells	IGC-Lisbon, Portugal September (2006)
A. Nunes	Talk	T. Nedelea, M. Simões and M. M. Telo da Gama	European Conference on Complex Systems, ECCS 06	Disease diversity and fluctuations in dynamic small world networks	Oxford, U.K., September (2006)
V. V. Konotop	Talk		Fourteenth International School on Quantum Electronics Laser physics and applications	Nonlinear Schrödinger equation with periodic coefficients: Localized and collapsing solutions	Sunny Beach, Bulgaria September (2006)
V. V. Konotop	Talk	Yu. V. Bludov	International Workshop on Solitons and Nonlinear Phenomena in Degenerate Quantum Gases	Localized modes and gap solitons in arrays of boson-fermion mixtures	Cuenca, Spain September (2006)
R. D. M. Travasso	Talk	P. F. N. Faisca, M. M. Telo da Gama	A One-Day Workshop on Protein Science	Nucleation phenomena in protein folding: The modulating role of protein sequence	Lisbon, Portugal November (2006)
G. Rozhnova	Talk	M. M. Telo da Gama and A. Nunes	Conference on Complex Systems: from Physics to Biology and the Social Sciences	Sustained oscillations in simple epidemic models	Lisbon, Portugal November (2006)
M. Simões	Talk	A. Nunes and M. M. Telo da Gama	Conference on Complex Systems: from Physics to Biology and the Social Sciences	Fluctuations and Disease Dynamics: The roles of contact structure and of the recovery profile	Lisbon, Portugal November (2006)
Yu. V. Bludov	Talk	V. V. Konotop	International Workshop on Coherent Nonlinear Optics of Artificial Media	Symmetric and antisymmetric surface modes in finite discrete media	Lisbon, Portugal December (2006)
H. A. Cruz	Talk	V. A. Brazhnyi, V. V. Konotop and G. L. Alfimov	International Workshop on Coherent Nonlinear Optics of Artificial Media	Asymmetric localized modes in coupled nonlinear Schrödinger equations with periodic potentials	Lisbon, Portugal December (2006)
M. Le Delliou	Talk		1st Iberian Cosmology Meeting in Porto	Dark Energy and Structure formation: Probing Dynamical Dark Energy with Press-Schechter Mass Functions	Porto, Portugal 1-2 December (2006)
	Talk	P. I. C. Teixeira and M. A. Fortes	Eufoam 2006	Energy and tension of films and Plateau borders in a foam	Potsdam, Germany July (2006)
	Poster	M. H. Godinho, A. C. Trindade, J. L. Figueirinhas, L. V. Melo, P. Brogueira, A. M. Deus and P. I. C. Teixeira	International Workshop on Mesoscale and Multiscale Simulation of Complex Fluids	Tuneable micro- and nano-periodic structures in a free-standing flexible urethane/urea elastomer film	Prato, Italy July (2006)
	Poster	M. A. Fortes, M. F. Vaz, S. J. Cox and P. I. C. Teixeira	Eufoam 2006	Stability of two-dimensional multi-layer bubble clusters	Potsdam, Germany July (2006)
	Poster	P. F. N. Faisca and K. W. Plaxco	2006 Gordon Research Conference on Protein Folding Dynamics	Cooperativity and the origins of rapid, single-exponential kinetics in protein folding	Ventura, California, U.S.A., January (2006)

	Poster	R. D. M. Travasso, P. F. N. Faisca and M. M. Telo da Gama	Workshop on Structure and Function of Biomolecules II	Nucleation phenomena in protein folding: The role of chain length and native geometry	Poznan, Poland May (2006)
	Poster	P. F. N. Faisca and K. W. Plaxco	Workshop on Structure and Function of Biomolecules II	Cooperativity and the origins of rapid, single-exponential kinetics in protein folding	Poznan, Poland May (2006)
	Poster	R. D. M. Travasso, P. F. N. Faisca and M. M. Telo da Gama	International School of Physics Enrico Fermi on Protein Folding and Drug Design	Nucleation phenomena in protein folding: The role of chain length and native geometry	Varena, Italy July (2006)
	Poster	T. Nedelea, A. Nunes, M. Simões and M. M. Telo da Gama	International Workshop on Constructive Role of Noise in Complex Systems	Endemic thresholds and percolation in dynamic small world networks	Dresden, Germany June (2006)
	Poster	P. Patrício and M. M. Telo da Gama	International School of Liquid Crystals, 13th Workshop on Colloids, Interfaces and Liquid Crystals	Wetting transitions of liquid crystals at wedge shaped substrates	Erice, Italy July (2006)
	Poster	C-T Pham, P. Patricio and M. M. Telo da Gama	International School of Liquid Crystals, 13th Workshop on Colloids, Interfaces and Liquid Crystals	Anchoring transition of nematic liquid crystals in patterned cells. Effect of confinement and electric field	Erice, Italy July (2006)
	Poster	P. I. C. Teixeira, M. H. Godinho, A. C. Trindade, J. L. Figueirinhas, L. V. Melo, P. Brogueira and A. M. Deus	International Workshop on Mesoscale and Multiscale Simulation of Complex Fluids	Tuneable micro- and nano-periodic structures in a free-standing flexible urethane/urea elastomer film	Prato, Italy July (2006)
	Poster	P. I. C. Teixeira, M. A. Fortes, M. F. Vaz and S. J. Cox	Eufoam 2006	Stability of two-dimensional multi-layer bubble clusters	Potsdam, Germany July (2006)
	Poster	A. V. Dordio, A. J. E. Candeias, J. P. Ramalho and A. P. Carvalho	1st European Chemistry Congress	Differences in the removal efficiencies of two phenoxy acids from contaminated waters	Budapest, Hungary August (2006)
	Poster	A. P. Carvalho, J. P. Ramalho and F. Villiérás	ISSHAC-6: The Sixth International Symposium Effects of Surface Heterogeneity in Adsorption and Catalysis on Solids	Simulation Study of Argon Adsorption on (001) Faces of Phyllosilicates	Zakopane, Poland August (2006)
	Poster	V. A. Brazhnyi, V. V. Konotop and V. M. Pérez-García	CMPT 06 - International Conference on Statistical Physics 2006, Condensed Matter: Theory and Applications	Driving defect modes of Bose-Einstein condensates in optical lattices	Kharkiv, Ukraine September (2006)
	Poster	Yu. V. Bludov	14th International School on Quantum Electronics Laser physics and applications	Photon blockade of light at the metal-nonlinear dielectric interface	Sunny Beach, Bulgaria September (2006)
	Poster	D. Dingli, J. M. Pacheco, A. Dispenzieri, S. Hayman, S. Kumar, M. Lacy, D. Gastineau, M. Gertz	Annual Meeting of the American Society of Hematology	Single versus multiple transplants for multiple myeloma: Insights from in vivo and in silico studies	Orlando, U.S.A., December (2006)
	Poster	D. Dingli, J. M. Pacheco, A. Dispenzieri, S. Hayman, S. Kumar, M. Lacy, D. Gastineau, M. Gertz	Annual Meeting of the American Society of Hematology	The serum M-spike and transplant outcome in patients with multiple myeloma	Orlando, U.S.A., December (2006)
L. Brucher and R. Santos	Books, Chapters Proceed	Editor: John V. Lee	In Search for the Higgs Boson	Searches for Higgs Bosons in Two-Higgs Doublet Models: The Fermiophobic Limit	(Nova Science Publishers, 2006), pp. 26-60
P. F. N. Faisca	Books, Chapters Proceed	Editor: K. L. Dillon	In Soft Condensed Matter: New Research	Shaping protein folding dynamics with native state's geometry	(Nova Science Publishers Inc., 2006)

Publications

Cited	Authors	title	Source
2	Barroso, A; Ferreira, PM; Santos, R	Neutral minima in two-Higgs doublet models	PHYSICS LETTERS B, 652 (4): 181-193 AUG 30 2007
1	Santos, R ; et. Al	Search for a fourth generation b ⁻ -quark at LEP-II at root s=196-209GeV	EUROPEAN PHYSICAL JOURNAL C, 50 (3): 507-518 APR 2007
0	Ferreira, PM ; Guedes, RB; Santos, R	Lepton flavor violating processes at the International Linear Collider	PHYSICAL REVIEW D, 75 (5): Art. No. 055015 MAR 2007
0	Bertolami O, Pedro FG , Le Delliou M	Dark energy-dark matter interaction and putative violation of the equivalence principle from the Abell cluster A586	PHYSICS LETTERS B 654 (5-6): 165-169 OCT 18 2007
0	Travasso, RDM; Telo da Gama, MM ; Faisca, PFN	Pathways to folding, nucleation events, and native geometry	JOURNAL OF CHEMICAL PHYSICS, 127 (14): Art. No. 145106 OCT 14 2007
0	Travasso, RDM ; Faisca, PFN; Telo da Gama, MM	Nucleation phenomena in protein folding: the modulating role of protein sequence	JOURNAL OF PHYSICS-CONDENSED MATTER, 19 (28): Art. No. 285212 JUL 18 2007
0	Lind PG, Herrmann HJ	New approaches to model and study social networks	NEW JOURNAL OF PHYSICS 9: Art. No. 228 JUL 12 2007
0	Lind PG, da Silva LR, Andrade JS, Herrmann HJ	The spread of gossip in American schools	EPL 78 (6): Art. No. 68005 JUN 2007
0	Lopes, JV; Pacheco, JM; Dingli, D	Acquired hematopoietic stem-cell disorders and mammalian size	BLOOD, 110 (12): 4120-4122 DEC 1 2007
0	Dingli, D; Pacheco, JM; Nowakowski, GS; Kumar, SK; Dispenzieri, A; Hayman, SR; Lacy, MQ; Gastineau, DA; Gertz, MA	Relationship between depth of response and outcome in multiple myeloma	JOURNAL OF CLINICAL ONCOLOGY, 25 (31): 4933-4937 NOV 1 2007
0	Dingli, D ; Pacheco, JM	Ontogenic growth of the haemopoietic stem cell pool in humans	PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, 274 (1624): 2497-2501, OCT 7 2007
2	Dingli, D ; Michor, F; Antal, T; Pacheco, JM	The emergence of tumor metastases	CANCER BIOLOGY & THERAPY, 6 (3): 383-390 MAR 2007
2	Traulsen, A; Pacheco, JM ; Nowak, MA	Pairwise comparison and selection temperature in evolutionary game dynamics	JOURNAL OF THEORETICAL BIOLOGY, 246 (3): 522-529 JUN 7 2007
4	Ohtsuki, H ; Pacheco, JM ; Nowak, MA	Evolutionary graph theory: Breaking the symmetry between interaction and replacement	JOURNAL OF THEORETICAL BIOLOGY, 246 (4): 681-694 JUN 21 2007
1	Dingli, D ; Pacheco, JM ; Dispenzieri, A; Hayman, SR; Kumar, SK; Lacy, MQ; Gastineau, DA; Gertz, MA	Serum M-spike and transplant outcome in patients with multiple myeloma	CANCER SCIENCE, 98 (7): 1035-1040 JUL 2007
0	Dingli, D; Traulsen, A; Pacheco, JM	Impact of stochastic dynamics on the active hematopoietic stem cell pool	HAEMATOLOGICA-THE HEMATOLOGY JOURNAL, 92: 160-161 0433 Suppl. 1 JUN 2007
0	Dingli, D; Pacheco, JM	The size of the active hematopoietic stem cell pool from birth to adulthood	HAEMATOLOGICA-THE HEMATOLOGY JOURNAL, 92: 369-369 0995 Suppl. 1 JUN 2007
0	Dingli, D ; Traulsen, A; Pacheco, JM	From stem cells to circulating blood: Dynamic and architectural aspects of hematopoiesis	HAEMATOLOGICA-THE HEMATOLOGY JOURNAL, 92: 454-454 1250 Suppl. 1 JUN 2007
1	Dingli, D ; Traulsen, A; Pacheco, JM	Stochastic dynamics of hematopoietic tumor stem cells	CELL CYCLE, 6 (4): 461-466 FEB 15 2007
1	Dingli, D ; Pacheco, JM ; Dispenzieri, A; Hayman, SR; Kumar, SK; Lacy, MQ; Gastineau, DA; Gertz, MA	In vivo and in silico studies on single versus multiple transplants for multiple myeloma	CANCER SCIENCE, 98 (5): 734-739 MAY 2007
3	Ohtsuki, H ; Nowak, MA ; Pacheco, JM	Breaking the symmetry between interaction and replacement in evolutionary dynamics on graphs	PHYSICAL REVIEW LETTERS, 98 (10): Art. No. 108106 MAR 9 2007; Selected for the Virtual Journal of Biological Physics Research 13, 6 (2007) March 15th
4	Traulsen, A; Nowak, MA ; Pacheco, JM	Stochastic payoff evaluation increases the temperature of selection	JOURNAL OF THEORETICAL BIOLOGY, 244 (2): 349-356 JAN 21 2007
0	Burke AJ , Carreiro ED, Chercheja S, Moura NMM, Ramalho JPP, Rodrigues AI, dos Santos CIM	Cu(I) catalysed cyclopropanation of olefins: Stereo selectivity studies with arylid-box and isbut-box ligands	JOURNAL OF ORGANOMETALLIC CHEMISTRY 692 (22): 4863-4874 OCT 15 2007
1	Carvalho AJP, Ramalho JPP, Martins LSF	Excess thermodynamics of mixtures involving xenon and light linear alkanes by computer simulation	JOURNAL OF PHYSICAL CHEMISTRY B 111 (23): 6437-6443 JUN 14 2007

1	Loura LMS, Ramalho JPP	Location and dynamics of acyl chain NBD-labeled phosphatidylcholine (NBD-PQ in DPPC bilayers. A molecular dynamics and time-resolved fluorescence anisotropy study	BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1768 (3): 467-478 MAR 2007
1	Rakhmatkariev GU, Carvalho AJP, Ramalho JPP	Adsorption of normal pentane on the surface of rutile. Experimental results and simulations.	LANGMUIR 23 (14): 7555-7561 JUL 3 2007
0	Fortes, MA ; Vaz, MF; Cox, SJ ; Teixeira, PIC	Instabilities in two-dimensional flower and chain clusters of bubbles	COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, 309 (1-3): 64-70 NOV 1 2007
0	Tavares, JM	The elastic bounces of a sphere between two parallel walls	AMERICAN JOURNAL OF PHYSICS, 75 (8): 690-695 AUG 2007
0	Fortes, MA ; Teixeira, PIC ; Deus, AM	The shape of soap films and Plateau borders	JOURNAL OF PHYSICS-CONDENSED MATTER, 19 (24): Art. No. 246106 JUN 20 2007
2	Weaire, D; Vaz, MF; Teixeira, PIC; Fortes, MA	Instabilities in liquid foams	SOFT MATTER, 3 (1): 47-57 2007
0	Teixeira, PIC ; Read, DJ; McLeish, TCB	Demixing instability in coil-rod blends undergoing polycondensation reactions	JOURNAL OF CHEMICAL PHYSICS, 126 (7): Art. No. 074901 FEB 21 2007
1	Teixeira, PIC ; Fortes, MA	Line tension and excess energy of a wall Plateau border	PHYSICAL REVIEW E, 75 (1): Art. No. 011404 Part 1 JAN 2007
0	Silva, JP; Tavares, JM	On the relation between angular momentum and angular velocity	AMERICAN JOURNAL OF PHYSICS, 75 (1): 53-55 JAN 2007
0	Teixeira PIC, Fortes MA	Energy and tension of films and Plateau borders in a foam	COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, 309 (1-3): 3-6 NOV 1 2007
0	Bludov, YV ; Konotop, VV	Surface modes and breathers in finite arrays of nonlinear waveguides	PHYSICAL REVIEW E, 76 (4): Art. No. 046604 Part 2 OCT 2007
0	Prytula, VI ; Konotop, VV ; Perez-Garcia, VM ; Vekslerchik, VE	Collapse in boson-fermion mixtures with all-repulsive interactions	PHYSICAL REVIEW A, 76 (4): Art. No. 043620 OCT 2007
0	Rapti, Z ; Kevrekidis, PG ; Konotop, VV ; Jones, CKRT	Solitary waves under the competition of linear and nonlinear periodic potentials	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 40 (47): 14151-14163 NOV 23 2007
1	Brazhnyi, VA ; Konotop, VV; Coulibaly, S ; Taki, M	Field patterns in periodically modulated optical parametric amplifiers and oscillators	CHAOS, 17 (3): Art. No. 037111 SEP 2007
0	Bludov, YV ; Brazhnyi, VA ; Konotop, VV	Delocalizing transition in one-dimensional condensates in optical lattices due to inhomogeneous interactions	PHYSICAL REVIEW A, 76 (2): Art. No. 023603 AUG 2007
1	Brazhnyi, VA ; Konotop, VV; Kuzmiak, V; Shchesnovich, VS	Nonlinear tunneling in two-dimensional lattices	PHYSICAL REVIEW A, 76 (2): Art. No. 023608 AUG 2007
0	Cruz, HA ; Brazhnyi, VA ; Konotop, VV; Alfimov, GL ; Salerno, M	Mixed-symmetry localized modes and breathers in binary mixtures of Bose-Einstein condensates in optical lattices	PHYSICAL REVIEW A, 76 (1): Art. No. 013603 JUL 2007
0	Zezyulin, DA ; Alfimov, GL ; Konotop, VV ; Perez-Garcia, VM	Control of nonlinear modes by scattering-length management in Bose-Einstein condensates	PHYSICAL REVIEW A, 76 (1): doi:10.1103/PhysRevA.76.013621 JUL 2007
0	Shchesnovich, VS; Konotop, VV	Nonlinear tunneling of Bose-Einstein condensates in an optical lattice: Signatures of quantum collapse and revival	PHYSICAL REVIEW A, 75 (6): Art. No. 063628 JUN 2007
0	Bludov, YV; Konotop, VV	Acceleration and localization of matter in a ring trap	PHYSICAL REVIEW A, 75 (5): Art. No. 053614 MAY 2007
3	Alfimov, GL; Konotop, VV ; Pacciani, P	Stationary localized modes of the quintic nonlinear Schrodinger equation with a periodic potential	PHYSICAL REVIEW A, 75 (2): Art. No. 023624 FEB 2007
0	Nakamura K , Kohi A , Yamasaki H, Perez-Garcia VM, Konotop VV	Levitation of spinor Bose-Einstein condensates: Macroscopic manifestation of the Franck-Condon effect	EPL 80 (5): Art. No. 50005 2007

Participation in the conferences, Books, Chapters, proceedings

Author	Type	Co-author	Name of conference	Title	Place Data
J.M. Pacheco	Inv Talk		Workshop on Evolutionary Games	Evolutionary games on structured populations	Madrid, Spain January 2007
V. Konotop	Inv Talk		International seminar and workshop: "Nonlinear Physics in periodic structures and metamaterials"	Nonlinear tunneling on optical lattices. Mean field and quantum approaches	Dresden Germany March 19-30, 2007
J.M. Pacheco	Inv Talk		NETSCI 2007, International Conference on Network Science	Evolutionary dynamics on networks, with broken symmetry between interaction and replacement	New York, USA May 2007
J.M. Pacheco	Inv Talk		Escola de verão de Física, Universidade do Porto	A Física do Bem e do Mal	Porto, Portugal September 2007
J.M. Pacheco	Inv Talk		ECCS-2007	Evolutionary dynamics on networks: from multiple networks to active linking dynamics	Dresden, Germany October 2007
M. M. Telo da Gama	Inv Talk		9th European Conference on Liquid Crystals	Surface effects on nematics: wetting and anchoring at interfaces and decorated surfaces	Lisbon, Portugal 2-6 Julho 2007
Rui D. M. Travasso	Talk	P. F. N. Faisca, and M. M. Telo da Gama	Proteins in Health and Disease: from Structure to Function	Nucleation phenomena in protein folding: role of chain length and native geometry	Lisbon, Portugal February 2-3 2007
Rui D. M. Travasso	Talk	P. F. N. Faisca, and M. M. Telo da Gama	Proteins in Health and Disease: from Structure to Function	Nucleation phenomena in protein folding: the modulating role of protein sequence	Lisbon, Portugal February 2-3 2007
G. Rozhnova	Talk	M. M. Telo da Gama and A. Nunes	27th Dynamics Days Europe Loughborough University	Sustained oscillations in simple epidemic models	U.K July 2007
M. M. Telo da Gama	Talk	G. Rozhnova and A. Nunes	23rd International IUPAP Conference on Thermodynamics and Statistical Mechanics	Sustained Oscillations in simple epidemic models	Genova, Italy July 2007
Tiago Charters de Azevedo	Talk	A. Pontes, C. L. J. Ferreira, J. King, J. Ockendon, J. M. Tavares, N. Lopes, P. Teixeira, R. Portugal, S. Martins and S. Carvalho	<i>The 60th European Study Group with Industry</i>	BRISA: Travel-time for a single origin-destination	Lisbon, Portugal 13 -19 April 2007
V.A. Brazhnyi	Talk	V.V. Konotop, V.Kuzmiak and V.S. Schesnovich	The Fifth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory	Nonlinear tunneling in two-dimensional lattices	University of Georgia, USA April 16-19, 2007
Yu.V. Bludov	Talk	V.V. Konotop	The Fifth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory	Symmetric and antisymmetric discrete surface, corner and edge modes	University of Georgia, USA April 16-19, 2007
A. Nunes	Talk	J. Font and C. Simó	Dynamics Days Europe 2007	A numerical study of planar orbits of second species	Loughborough, U.K July 2007
V.V. Konotop	Talk		NoLineal 2007: Nuevos retos e perspectivas de la dinámica no lineal y sus aplicaciones		Ciudad Real, Spain 9 of June, 2007
V.V. Konotop	Talk	Yu. Bludov	6th International Congress on Industrial and Applied Mathematics	Localized modes in the nonlinear Schrödinger equation with periodic nonlinearity and periodic potential	Zurich, Switzerland 16-20 of July, 2007
Pedro Patricio	Talk		International Soft Matter Conference 2007	Complete wetting transitions of nematic liquid crystals on a structured substrate	Aachen, Germany 1-4 Outubro 2007
Pedro Patricio	Talk		9th European Conference on Liquid Crystals	Complete wetting transitions of nematic liquid crystals on a structured substrate	Lisbon, Portugal 2-6 Julho 2007
C-T Pham	Poster	C-T Pham, P. Patricio, M. Telo da Gama	9th European Conference on Liquid Crystals	Anchoring transition of nematic liquid crystals in patterned cells. effect of confinement and electric field	Lisbon, Portugal 2-6 Julho 2007

N. Silvestre	Poster	N. M. Silvestre, P. Patricio, M. M. Telo da Gama	9th European Conference on Liquid Crystals	Non-circular inclusions in smectic-c films	Lisbon, Portugal 2-6 Julho 2007
Teixeira P. I.	Poster	A. J. Ferreira, M. H. Godinho, C. Cruz, P. S. Kulkarni and C. A. M. Afonso	9th European Conference on Liquid Crystals	Foam-like behaviour of lamellar ionic liquid crystals	Lisbon, Portugal July 2007
Teixeira P. I.	Poster	A. J. Masters	9th European Conference on Liquid Crystals	The phase behaviour of a model tetrapode - a theoretical analysis	Lisbon, Portugal July 2007
Teixeira P. I.	Poster	M. A. Fortes and A. M. Deus	International Soft Matter Conference	The shapes of soap films and Plateau borders	Aachen, Germany October 2007
Rui D. M. Travasso	Poster	Patrícia F. N. Faisca, and Margarida M. Telo da Gama	StatPhys 23	Pathways to folding, nucleation events and native geometry	Genova, Italy July 9-13 2007
M.M. Telo da Gama	Poster	N. M. Silvestre e P. Patrício	StatPhys 23		Genova, Italy July 9-13 2007
J.M. Tavares	Poster	A. Nunes and M.M. Telo da Gama	International School on Complexity. Course on Statistical Physics of Social Dynamics: Opinions, Semiotic Dynamics and Language	Coherence threshold in simple evolutionary Language Games	Erice, Sicily July 2007
	Poster	P. I. C. Teixeira and A. J. Masters	9th European Conference on Liquid Crystals	The phase behaviour of a model tetrapode - a theoretical analysis	Lisbon, Portugal July (2005)
	Poster	A. J. Ferreira, M. H. Godinho, C. Cruz, P. S. Kulkarni, C. A. M. Afonso and P. I. C. Teixeira	9th European Conference on Liquid Crystals	Foam-like behaviour of lamellar ionic liquid crystals'	Lisbon, Portugal July (2007)
	Poster	M. A. Fortes, P. I. C. Teixeira and A. M. Deus	International Soft Matter Conference	The shapes of soap films and Plateau borders'	Aachen, Germany October (2007)
	Poster	J.M. Tavares, F. de los Santos and M. Tasinkevych	XXXII IUPAP Conference on Statistical Physics (StatPhys 23)	Multifractal analysis of deposits of dipolar particles	Genova, Italy 9-13 July 2007