

Program/ PNCS XII & Crystallization 2009

PAPER ID	Type	Title	Authors
Sept. 6 - 19:00	Welcome	METHOD TO ORGANIZE AN INTERNATIONAL CONFERENCE	E.D. Zanotto & local team
OPENING DINNER			
8:00-9:45	Sept. 7 - 8:00 - 9:45 - Room A		
414	Plenary	Ideal glassformers: a search for non-polymer liquids that are stable at their T_gs	C. A. Angell
Structure NMR (Chairman: J. Zwanziger)			
229	Oral	Structural investigations of alkaline-earth aluminate glasses by ²⁷ Al NMR and Raman Spectroscopies	M. Licheron, et al
384	Oral	Stability and Structure-Property Relationships of AsGaP Sulfide Glasses	B.G. Aitken, et al
396	Oral	Thallium germanate glasses: A study of the thallium environment	E. R. Barney, et al
172	Oral	Investigating the Germanate Anomaly by Ge-73 NMR and DFT calculations	S.Kroeker, et al
42	Oral	Structure of Aluminum Metaphosphate Glasses of Mono and Divalent Modifiers	J. Schneider, et al
Break - 20min.			
Break 9:45 - 10:05			
10:05 - 11:50	Structure / Mixed techniques (B. Aitken)		
218	Invited	The environment of transition elements in oxide glasses	G. Calas, et al
180	Oral	A Descriptor for Long Range Randomness in Non-crystalline Solids	J. F. Shackelford/ L. Davila
111	Oral	Q Speciation in Alkali Germanate Glasses Determined by Raman Spectroscopy	G. S. Henderson, et al
304	Oral	Atomic Structure of Solute-Rich Metallic Glasses	D. B. Miracle
338	Oral	Collective propagating excitations in Cu-Zr metallic glass	Y. Kawakita, et al
217	Oral	Molecular-Scale Mechanisms Governing Alteration of Nuclear Waste Glasses, as Seen Around Zr and Fe	L. Galois, et al
Lunch - 11:50 - 13:45			
Lunch 11:50 - 13:45			
13:45 - 15:15	Neutron & XRD (J. Shackelford)		
491	Invited	Structure of Multilayered Films of PbTe Nanoparticles Embedded in Vitreous Silica & Deposited on Si	A.Craievich
170	Oral	High temperature neutron diffraction study of silicate glasses and liquids	L. Cormier, et al
334	Oral	Structural units and bonding in tellurite glasses	A. C. Hannon, et al
332	Oral	Neutron Diffraction on high temperature liquid oxides	D.Price, et al
Reserved			
Break - 20min.			
Break 15:15-15:35			
15:35 - 16:50	Thermodynamics (J. Schmelzer)		
303	Invited	Influence of bond enthalpy on metallic glass stability	D. B. Miracle, et al
262	Oral	Low-temperature heat capacity and boson peak of boron- and iron-bearing silicates	P. Richet, et al

32	Oral	On how entropy might freeze in a Glass	J. Moeller
Reserved			
Sept. 7 - 8:00 - 9:45 -Room B			
8:00-9:45		Organic / Chemical Properties (Y. Messaddeq)	
414		Plenary talk	C. A. Angell
414		Plenary talk	C. A. Angell
250	Oral	Dynamics of hydration water confined in both polymers and biopolymers materials	S. Cervený, et al
113	Oral	The kinetics of corrosion of e-glass fibres in sulphuric acid.	R. L. Jones, et al
280	Oral	The improvement of corrosion resistance of polysiloxane hybrid coatings by cerium doping	P.Hammer, et al
256	Oral	Novel Nanocomposites based on Organic-Inorganic Hybrids and Quantum Dot semiconductors	H. Sander Mansur
Reserved			
Break - 20min.		Break 9:45 - 10:05	
10:05 - 11:50		Mechanical Properties (T. Rouxel)	
458	Invited	Mechanical plastic behavior of glasses	D. Vandembroucq
206	Oral	Mechanical properties of silicate glasses as a function of composition	R.J.Hand, et al
297	Oral	Optically transparent oxide fibre reinforced glass matrix composites	D. Desimone, et al
511	Oral	Determination of residual stresses in a bio glass-ceramic by indentation	F. Serbena, et al
247	Invited	The role of water in the stress-corrosion mechanisms in glasses	M. Ciccotti / G. Matthieu
Lunch - 11:50 - 13:45 - 15:15		Lunch 11:50 - 13:45	
		MD Simulation (W. Kob)	
181	Invited	Hidden Crystalline Motifs and Thermo-Mechanical Anomalies in Amorphous Network Structures	J. Kieffer
478	Oral	Understanding structure and diffusion in liquid silicates with atomistic simulations	P. Tangney
118	Oral	First-order Liquid-Liquid Phase Transition in Modified Embedded-Atom Model For Gallium	M.Koning
495	Invited	Interaction of Water with Multi-Component Silicate Glass Surfaces	A. Cormack
Break -20min.		Break 15:15-15:35	
15:35 - 16:50		MD Simulation (A. Cormack)	
372	Invited	Compressing silica glass: Insight from computer simulations	W. Kob, et al
66	Oral	Structural characterization of vanadium containing glasses: a molecular dynamic study	G.Ori, et al
85	Oral	Changes of structure in potassium depleted binary silicate glass studied by MD	O.Gedeon, et al
15	Oral	novel Nanocomposites based on Organic-Inorganic Hybrids and Quantum Dot semiconductors	V. Spirko
		POSTER SESSION - Papers listed in the end	

Sept. 8 - 8:00 - 9:45- Room A**8:00 - 9:45****Structure & Properties (G. Callas)**

- 314 Invited Local structure and electronic configuration in Mn and Fe doped glasses
- 248 Oral Al speciation in silicate melts: AlV a new network former?
- 195 Oral Structural modification of molybdate during liquid-liquid phase separation in borosilicate melts
- 270 Oral Organic-inorganic electrolytes: local and nano structure and physical chemistry properties
- 45 Oral Neutron Diffraction Analysis of Ca-Based Bulk Metallic Glasses
- 21 Oral Electronic structure and properties of germanium nano-particles embedded in amorphous silica

Marie-Louise Saboungi, et al
D. R. Neuville, et al
S. Schuller, et al
J. A. Chaker, et al
O. N. Senkov, et al
J. Du

Break - 20min.**Break 9:45 - 10:05****10:05 - 11:50****Structure & Properties (A. Angell)**

- 40 Invited High Pressure Densification and Indentation Behavior of Glass
- 44 Oral Testing the Correlation between Glass and Crystal Structure with Devitrification Mechanism
- 131 Oral Structural modifications of alpha irradiated and leached rare-earth aluminosilicate glasses
- 209 Oral Structure of silicate glass and gel from high-resolution ^{17}O , ^{43}Ca , ^{29}Si and ^{11}B NMR
- 268 Oral Structural investigations on soda-lime aluminoborosilicate glasses containing rare-earths
- 318 Oral Glass-forming ability, structure and physical properties of $\text{ZnO-MoO}_3\text{-P}_2\text{O}_5$ glasses

T. Rouxel, et al
J. Zwanziger, et al
N. Pellerin, et al
F. Angeli, et al
D. Caurant, et al
L. Koudelka, et al

Lunch - 11:50 -**Lunch 11:50 - 13:45****13:45 - 15:15****Structure / Pressure effects (J. Kieffer)**

- 71 Invited Boson Peaks of Lithium Borate Glasses Studied by Inelastic Neutron and Light Scattering
- 4 Invited Nano heterogeneities in single phase glasses and high pressure experiments
- 141 Invited Computer simulation of pressure-induced structural changes in Crystalline and Vitreous Silica

S. Kojima, et al
B. Champagnon
A. Takada, et al

Break - 20min.**Break 15:15-15:35****15:35 - 16:50****Bio glasses (M.H. Fernandes)**

- 115 Oral Structural and dynamical properties of CaF_2 -phosphosilicate glasses: an MD simulation study
- 360 Oral The effect of Zn and Ti on the structure of bioresorbable calcium-sodium phosphate based glass
- 324 Oral ZnO -doped bioglasses: relationships among composition, microstructure and bioactivity
- 376 Oral Sintering Behaviour of a $3\text{CaO.P}_2\text{O}_5\text{-SiO}_2\text{-MgO}$ bioactive glass

G. Malavasi, et al
R. M. Moss, et al
P. Mustarelli, et al
A.M.R.Senos, et al

Sept. 8 - 8:00 - 9:45 - Room B**8:00 - 9:45****Chalcogenide glasses (S. Sen)**

- 386 Invited Structural basis of silver photodissolution in chalcogenide glass and its use to photolithography
- 259 Oral Light-induced fluidity in chalcogenide network glasses.

H. Jain, et al
P. Lucas, et al

124	Oral	Non linear characterizations of microstructured fibers from germanium based chalcogenide glass	F. Smektala, et al
57	Oral	Rare-earth doped chalcogenide optical waveguide in near and mid-IR for optical potential application	V. Nazabal, et al
147	Oral	Hydrogenated nanocrystalline silicon thin film prepared by rf-PECVD at high pressure	W. Li, et al
60	Oral	Compositional Dependence of the Optical Gap in Amorphous Silicon-Chalcogen Alloys	S. A. Dallal, et al
Break - 20min.			
Break 9:45 - 10:05			
10:05 - 11:35 Chalcogenide / Optical properties (H. Jain)			
74	Invited	Nonlinear optical properties of Chalcogenide and chalcogenide glasses	Q.Liu, et al
185	Oral	Photoinduced phenomena in amorphous As ₄ Se ₃ thin films studied by spectroscopic ellipsometry	P. Nemeč, et al
156	Oral	Silica thin-films from perhydropolysilazane for the protection of ancient glass	R.Bertoncello, et al
125	Oral	As ₂ S ₃ photonic crystal fibers for the generation of infrared non linear optical effects	M. El-Amraoui, et al
144	Oral	Electronic States of Nd ³⁺ Ions in Phosphate Glasses Calculated by the DVME Method	Y.Kowada, et al
284	Oral	Q factor of super-spherical optical cavity of Nd ³⁺ -doped soda-lime glass prepared by StM method	T.Yano, et al
Lunch			
Lunch 11:50 - 13:45			
13:45 - 15:15 Optical / RE doped glasses (P. Lucas)			
237	Invited	Rare-earth doped nanophosphors for NIR bioimaging	K. Soga
356	Oral	Tailoring Silicate Glass for Optical Waveguide Amplifiers	M. Mika, et al
165	Oral	Photodarkening and related optical properties in Yb doped high-silica glasses	J.Kirchhof, et al
329	Oral	Photodarkening induced by X-ray irradiation on Yb-Al doped silica glasses	E. H. Sekiya, et al
316	Oral	Correlation between structural disorder and optical properties in Yb/Er doped silica glass	K. Saito, et al
Break - 20min.			
Break 15:15-15:35			
15:35 - 16:50 Optical / RE doped glasses (Y. Messaddeq)			
149	Invited	New approach for Direct Laser Writing below the diffraction limit in Glasses.	T. Cardinal, et al
333	Oral	Novel heavily Tm-doped tellurite glasses and optical fibers for lasers in the 2 micron region	D. Milanese, et al
493	Oral	Optical and spectroscopic properties of niobium germanosilicate glasses	L. F. Santos, et al
POSTER SESSION - Papers listed in the end			
Sept. 9 - 8:00 - 9:45 - Room A			
8:00-9:45 Relaxation processes (P. Gupta)			
275	Invited	Development of structural order during supercooling of a levitated oxide melt	D. L. Price, et al
109	Oral	Sub-T _g Relaxation: Structural and Iso-structural Processes	P. K. Gupta, et al
490	Oral	Dynamics of Restricted Reorientational Motions in Long-range Ordered Lattices	J.L.Tamarit
177	Oral	Fragile-to-strong transition in supercooled glycerol under nano-confinement	S. Sen, et al
108	Oral	Thermal relaxation processes in stoichiometric GeSbTe amorphous films	E.Prokhorov, et al

484	Oral	Redox relaxation in glass melts	C.Russel, et al
Break - 20min.		Break 9:45 - 10:05	
10:05 - 11:50		Crystallization / Glass-ceramics (C. Russel)	
50	Invited	Infrared transmitting glass ceramics based on chalco-halides	X. Zhang, et al
95	Oral	Real Time Neutron Diffraction of an Apatite-Mullite Glass Ceramic with a Ca:P Ratio of 1.5	R. Hill, et al
403	Oral	Fabrication of Bi-free TiO ₂ nano-crystallized glass	H. Masai, et al
30	Oral	Writing of lithium niobate crystal patterns on the glass surface by laser irradiation	T. Honma, et al
64	Oral	Determination of kinetic parameters of glasses and glass ceramics by contact free dilatometry	T. Johansson, et al
363	Oral	Synthesis and characterization of glass-ceramic microspheres for thermotherapy	J. R. Martinelli, et al
Lunch		Lunch 11:50 - 13:45	
13:45 - 15:15		Crystallization / Optical (L. Glebov)	
6	Invited	The Synthesis, Properties, and Applications of Novel Crystalline and Polycrystalline Optical Fibers	J. Ballato, et al
404	Oral	Fabrication of alpha-Zn ₃ B ₂ O ₆ crystallized glass and the optical property	H. Masai, et al
52	Oral	Structural characterization of the nanocrystallization process in LaF ₃ oxyfluoride glasses	A. Duran, et al
492	Invited	Generation and Bleaching of Color Centers in Photo-Thermo-Refractive Glass	L. Glebov
Break - 20min.		Break:15:15 - 15:35	
		Sept. 9 - 8:00 - 9:45- Room B	
8:00-9:45		Exotic Glasses / Properties (I. Cornejo)	
88	Invited	Modified iron phosphate glasses for waste immobilization: advantages and limitations	P. A. Bingham, et al
365	Oral	Glass foams for environmental applications	R. Lebullenger, et al
367	Oral	Self-aligned porous nanoplanes photo-induced by IR femtosecond irradiation in silica glass	M. Lancry, et al
234	Oral	Structural rearrangements and polarization mechanisms in thermally poled oxide glasses	M. Dussauze, et al
496	Oral	JSC-1A Lunar Soil Simulant: Characterization, Glass Formation, and Selected Glass Properties	S.T.Reis, S.Sen et al
154	Oral	Parameters Controlling Viscosity Equations of Glassforming Melts	I. Avramov
Break - 20min.		Break 9:45 - 10:05	
10:05 - 11:35		Sol-gel Glasses (A. Duran)	
466	Invited	Sol-Gel Preparations towards Non-Siliceous Glasses: Structurally Monitored in-situ by NMR Techniques	L. Zhang, et al
346	Oral	SiO ₂ nanospheres and tubes obtained by sol-gel method	M.Gartner, et al
319	Oral	Effect of TEOS Addition on Formation of Au Metal Nanoparticles in Au-doped Nonlinear Optical Fiber	S. Ju, et al
341	Oral	Sintering of nano-porous silica coatings for solar applications	J.Deubener, et al
514	Oral	Organic-inorganic hybrids based on ricinoleic acid and 3-aminopropyltriethoxisilane	Y. Messaddeq, et al
Lunch		Lunch 11:50 - 13:45	

13:45 - 15:15

New Glasses (M. Poulain)

- 476 Invited Glass composition and process research at Corning incorporated
- 513 Invited Glass in 2020: Opportunities in Research and Technology
- 78 Invited The Physics of Chemical Strengthening of Glass

I. Cornejo
R. Brow
A. Varshneya

Break - 20min.

Break:15:15 - 15:35

Poster advertizing oral session

PNCS Board Meeting

Sept. 10 - 8:00 - 9:45- Room A

8:00-9:45

Electrical Properties (J. Souquet)

- 37 Invited Mobility and charge carrier concentration in alkali conductive glasses
- 182 Oral Preparation and ionic conductivity of Li7P3S11-z glass-ceramic electrolytes
- 448 Oral Crystallization of photo-thermo-refractive glasses monitored by electrical conductivity measurements
- 183 Oral Preparation and characterization of lithium ion conducting Li2S-P2S5-GeS2 glasses and glass-ceramics
- 53 Oral Structure and dielectric properties of Li2O-ZnO-P2O5 glasses

J. L. Souquet, et al
M. Tatsumisago, et al
A.C.M. Rodrigues, et al
K. Minami, et al
A. M. Milankovic, et al

reserved

Break - 20min.

Break 9:45 - 10:05

Sept. 10 - 8:00 - 9:45 - Room B

8:00-9:45

Quantum dots / nanocrystals (J. Du)

- 337 Invited Precipitation of PbS quantum dots in glasses induced by the external electromagnetic field
- 47 Oral Electronic polarizability and its temperature dependence of oxide glasses and nanocrystals
- 103 Oral Luminescence of PbS quantum dots impregnated on the core surface of a silica microstructured fiber
- 299 Oral Linear and nonlinear optical properties of PbSe quantum dots doped germano-silica glass fiber
- 1 Invited Electron magnetic resonance studies of nanoparticles in oxide glasses

J. Heo, et al
T. Komatsu, et al
L.C. Barbosa, et al
P. R. Watekar, et al
J. Kliava

Break - 20min.

Break 9:45 - 10:05

Poster session

Falls Tour & Registration for *Crystallization 2009*

Crystallization 2009

Sept. 11 - 8:30 - 9:45

8:30 - 10:00	Tribute to Peter James: Kelton, Greer, Hand, Gonzalez-Oliver, Zanotto		K. Kelton et al
	Structure and nucleation (Chairman: L. Greer)		
43	Invited	Liquid and Glass Structures and their Influence on Phase Transitions	K. F. Kelton
171	Oral	Determination of the structural changes during early nucleation of TiO ₂ -cordierite glass	L. Cormier, et al
253	Oral	A first step toward understanding nucleation processes: in situ HT X-ray diffraction and absorption	D. R. Neuville / E. Strukelj
Break - 20min.	Break 10:00 - 10:20		
10:20 - 12:20	Nucleation theory and experiments (K. Kelton)		
10	Invited	Applicability of the Adiabatic Nucleation Theory to Glasses	E. Meyer, et al
16	Invited	On the determination of the kinetic pre-factor in classical nucleation theory	J. W. P. Schmelzer
265	Oral	Temperature-induced decoupling of atomic mobility in amorphous silicates	P. Richet / E. Strukelj
330	Oral	Nucleation and growth of Ge nanoclusters encapsulated in silica	A. A. M. Gasperini, et al
59	Invited	Theoretical description of a two-step annealing nucleation experiment.	V. A. Shneidman
Lunch	Lunch - 12:20 - 14:00		
14:00 - 15:30	Nucleation in highly non-stoichiometric systems (J. Schmelzer)		
486	Invited	Crystallization of metallic glasses	L. Greer
424	Invited	Crystallization in Multicomponent Glasses	P. Hrma
126	Oral	Crystallization of glasses and glass-ceramics of interest for nuclear waste immobilization	D. Caurant, et al
526	Oral	Crystallization of iron phosphate glasses containing up to 18 wt% uranium oxide	C. J. R. Gonzalez Oliver, et al
Break - 20min.	Break 15:30 - 15:50		
15:50 - 17:05	Overall Crystallization (J. Deubener)		
93	Oral	Crystallization and Processing of SOFC Sealing Glasses	S. T. Reis, R. Brow et al
377	Oral	Macroscopic and micro-structural aspects of the lithium metaphosphate glass crystallization	J. Rocherullé, et al
55	Oral	Devitrification of oxybromide glasses in the ZnBr ₂ - Sb ₂ O ₃ system	M. Poulain, et al
97	Oral	Electron backscatter diffraction - a tool to investigate glass crystallization processes	G. Voelksch, et al
257	Oral	Crystallization on aqueous solution of PVP by dielectric spectroscopy and optical microscopy	S. Cervený, et al
	Poster Advertisement Session (1 min. each!)		
	Sept. 12 - 8:00 - 9:45		
8:00-10:00	Properties of regular and bio GC (C. Russel)		
235	Invited	Crystal-Size Effects in Glass-Ceramics: a Review	M. J. Davis
49	Oral	Path-dependence of physical properties of glass-ceramics and their corresponding precursor glasses	L. Wondraczek/ R. Meszaros
291	Oral	Microstructural parameters affecting fracture toughness of glass-ceramics for dental applications	J. Deubener, et al
161	Oral	Toughness of Li ₂ O.2SiO ₂ Glass-Ceramics Measured by Radial Cracks Induced by Indentation Fracture	C.M. Lepienski, et al

437	Oral	Crystallization Kinetics of a 3CaOP2O5-SiO2-MgO Bioactive Glass	M.H.V.Fernandes, et al
373	Oral	Effect of Sr, Ba and Mg on the structure and crystallisation of an ionomer glass	A.Stamboulis, et al
214	Oral	Effects of a highly bioactive glass-ceramic (Biosilicate®) on bone wound healing response in rats	O.Peitl, et al
Break - 20min.		Break 10:00 - 10:20	
10:20 - 12:20		Nano crystallization / Metallic glasses (T. Komatsu)	
392	Oral	Nano-scale Crystallisation in a Fluorapatite Glass-Ceramic	R. G. Hill, et al
405	Oral	Fabrication of ZnO nano-crystallized glass	H. Masai, et al
194	Oral	Nanoscale Crystallization and NMR	L.Martel et al
175	Oral	Nanocrystal formation in Modified ZBLAN Glass Ceramics studied by Differential Scanning Calorimetry	J. Johnson, et al
429	Oral	Liquid-Phase Separation and Crystallization in Photo-Thermo-Refractive Glass	G. Parente Souza, et al
267	Oral	Effect of fragility on the crystallization of chalcogenide glass ceramics	P. Lucas, et al
129	Oral	Crystallization behavior, cluster configuration and glass forming ability in amorphous Al alloys	W. J. Botta, et al
63	Oral	Nano crystallization of BaF2 in a silicate glass system and the effect of viscosity and diffusion	C. Bocker, et al
Lunch		Lunch - 12:20 - 14:00	
14:00 - 15:30		Photo induced crystallization / optical (L. Glebov)	
62	Invited	Photo-induced crystallization of CaF2 in a oxyfluoride glass system	C.Russel et al
107	Invited	Optical analyses of the complex crystallization mechanism of a multicomponent PTR glass	J. Lumeau
326	Invited	Optical applications of glass-ceramics	O. Dymshits
Break - 20min.		Break 15:30 - 15:50	
15:50 - 17:05		Laser crystallization & GC properties (M. Davis)	
48	Oral	Laser patterning and structural features of functional crystal lines in glass	T. Komatsu, et al
345	Oral	Comparative study of thermal crystallization and laser annealing of high k sol-gel films	M.Gartner, et al
31	Oral	Fabrication of LiFePO4 ceramics for lithium ion second batteries via glass ceramics process	T. Honma, et al
110	Oral	Crystallization and ferroelectric properties of Ge4Sb1Te5 films	A.Prokorov, et al
114	Oral	Are glass-ceramics non-porous materials?	A. Karamanov
		Poster session	
		Farewell Dinner + Dance Show	
		Sept. 13 - 8:30 - 9:45	
8:30-10:00		Sintering & Crystallization / Crystal Growth (M. Prado)	
347	Oral	Influence of yttria additions on the crystallization kinetics of a CaO-MgO-SiO2 based glass.	M. Budd
61	Oral	Sintering kinetics of glass matrix composites for LTCC	S.Reinsch, et al
467	Oral	The Sintering Rate of Glass Powders	M.O.Prado, et al

132 Oral Universal model to describe heterogeneous crystallization kinetics of spherical glass particles
327 Invited Crystallization of Organic Glasses: "Diffusionless" and Surface-Enhanced Crystal Growth

V. L. Richard, et al
L.Yu, et al

Break - 20min.

Break 10:00 - 10:20

10:20

Closing session

E.D. Zanotto

COMBINED (SHORT ORAL + POSTER) PNCS XII, Sept. 7, 17:00-19:00h

3 Poster On Surface Processes in Electrochromism of Nb₂O₅ Non-Crystalline Films Under Pulse Polarization
28 Poster Hydration of silicate glasses: measuring thickness and mechanical properties of the hydrated layer
29 Poster Characterization of RF-sputtered PbO-GeO₂ amorphous films containing silver nanoparticles
41 Poster Glassy nuclear wastefoms and vitrification experience
58 Poster Eu³⁺ luminescence in PbO-GeO₂ glasses containing silver nanoparticles
67 poster Load dependence of the indentation fracture toughness of soda-lime silica glasses
68 Poster Infrared-to-violet upconversion process in Yb/Er co-doped GeO₂-PbO glasses with Ag nanoparticles
69 Poster Deposition and characterization of germanate glass optical waveguides
70 Poster Influence of the annealing on the nucleation of Ag nanoparticles in Tm/Yb doped PbO-GeO₂ glasses
72 Poster The local structure and crystallization behavior of some iron-zinc-phosphate glasses
76 Poster Structural relaxation measurements in bismuth borate glasses
77 Poster Effect of Silver Nanoparticles on Glass Samples Prepared from Local Quartz Sand
81 Poster Lead borate glasses as direct radiation detectors
89 Poster Molecular simulations of silicate melts doped with nitrogen and sulphur
91 Poster NMR study of the crystallization behavior of Lead - Cadmium Fluorosilicate Glasses
92 Poster Real Time Neutron Diffraction of an Apatite-Mullite Glass Ceramic with a Ca:P Ratio of 1.5
96 Poster The Role of Sodium in Fluoroaluminosilicate glasses Used For Dental and Medical Cements
98 Poster Optical study of novel high non linearity phosphate glass
99 Poster Production of photonic crystal fiber based on heavy oxide glasses
100 Poster Structural properties of glasses NaPO₃-Sb₂O₃
101 Poster Study of physical and structural properties of lead phosphate glasses
104 Poster Synthesis and Characterization of barium borate glasses doped with cerium and silver
106 Poster Mechanisms of crystallization-induced refractive index changes in photo-thermo-refractive glass
108 Poster Thermal relaxation processes in stoichiometric GeSbTe amorphous films
121 Poster Connectivity and glass transition in disordered condensed matter

L. Skatkov
D. Tadjiev, et al
D. M. da Silva, et al
M. I. Ojovan, et al
D. Silvério da Silva, et al
E. C. Ziemath
F. A. B. Junior, et al
V. D. D. Cacho, et al
T. A. A. de Assumpção, et al
P. Pascuta, et al
A. El Adawy
P. Dararutana, et al
M. Rodriguez, et al
J. Machacek, et al
J. P. Donoso, et al
R. Hill, et al
N. Zaindunnin, et al
D. Manzani, et al
D. Manzani, et al
M. Montesso, et al
K. Rancan, et al
P. Brajato, et al
J. Lumeau, et al
R. R.Santos, et al
M. Ojovan

123	Poster	Magnetic nanoparticles in glasses co-doped with Fe and Rare Earth oxides	I. Edelman, et al
128	Poster	Structural Study and Physical Properties of AgPO ₃ -MoO ₃ Glasses	S. H. Santagneli, et al
142	Poster	Preparation and Optical Performance of the Orientation Arrangement of Ag Nanowire in Glass	F. jinyang, et al
145	Poster	Parameters Controlling Viscosity Equations of Glassforming Melts	I. Avramov
148	Poster	Novel silicate glasses doped with Cr ⁴⁺ ions for photonics applications	S. Stara, et al
150	Poster	Optical properties of novel copper doped silicate glasses	H. Malichova, et al
151	Poster	Nonlinear Optical Properties of Hydrogenated Amorphous Silicon-Selenium Alloys	S. Al-Dallal, et al
153	Poster	Role of glass modifiers in the properties of optical waveguides in the novel Dy ³⁺ silicate glasses	S. Stara, et al
155	Poster	Structural disorder versus band tail states in hydrogenated GaAs prepared by sputtering	G. de Medeiros Azevedo, et al
157	Poster	Study on the history and technology of medieval glass in Padova (Italy)	G. M. Negrin, et al
158	Poster	Polymorphous-polymorphoid structure and relaxation phenomena in glassforming substances	M. V. Semenovich, et al
159	Poster	Fabrication of magnetic nanocomposites using expanded vermiculite	P. P. Araujo, et al
163	Poster	Influence of strontium for calcium substitution on bioactive glass properties	Y. C. Fredholm, et al
164	Poster	Novel aluminium-free glass polyalkenoate cements for biomedical application	Y. C. Fredholm, et al
174	Poster	Eu ³⁺ doped phosphotungstate low temperature glasses	A. J. Barbosa, et al
178	Poster	Efficient red and green upconversion emissions of Er ³⁺ -doped tungsten-lead phosphate glasses	G. Y. Poirier, et al
179	Poster	Hierarchical molecular dynamics in a chalcogenide glass-forming liquid: Evidence from ³¹ P NMR	S. Sen, et al
187	Poster	Adsorbent design and development for Advanced Lithium Manganese Oxide	K. S. Chung, et al
190	Poster	Synthesis and characterization of the new lithium adsorbent namely advanced lithium adsorbent	Y. S. Kim, et al
197	Poster	Photothermal properties determination of PbS nanocrystals doped glass	D. N. Messias, et al
198	Poster	Investigating Order on the Nanometre Scale in Glasses using Spin Counting in NMR experiments.	M. Deschamps, et al
207	Poster	Study of Cu, Ag and Au Ion Implantation into Silicate Glasses	B. Svecova, et al
208	Poster	Controlled growth of zirconia needles from liquid crystal template	F.G. Freitas, et al
210	Poster	Bioactive Glass Coatings for Ti6Al4V Alloys for Medical Prosthesis	N. L. Bakhshaiesh, et al
211	Poster	As ₂ S ₃ Photonic Crystal Fibers for the generation of infrared non linear optical effects	M. El-Amraoui, et al
212	Poster	Controlled Cis-Platinum Delivery from Siloxane-Polyether Hybrid Matrix	E. F. Molina, et al
213	Poster	Spin dynamics of amorphous EuZrO ₃ thin film with ferromagnetic like transition	Y. Zong, et al
216	Poster	Aging of a glass ceramic by leaching : multi nuclear NMR spectroscopy and ICP-MS investigations	A. Doret, et al
219	Poster	Speciation of Sulphur in Silicate Glasses by X-Ray Absorption and X-Ray Emission Spectroscopies	P.A. Bingham, et al
222	Poster	Effect of fluoride on structure and bioactivity of bioactive glasses	D. S. Brauer, et al
224	Poster	Stabilisation of phosphate invert glasses by addition of TiO ₂	D. S. Brauer, et al
239	Poster	Monodisperse silica nanoparticles obtained by an amino acid catalyzed reaction	R. Bertholdo, et al
240	Poster	Magnetic characterization of vermiculite-based magnetic nanocomposites	D. Custódia da Silva, et al

242	Poster	Neodymium and Praseodymium doped glass fluorescence quantum efficiency determination by thermal lens	V. M. Martins, et al
COMBINED PNCS / Short oral presentations- Sept. 9, 15:35 - 18:00h			
246	Poster	Structural investigations of rare-earth-doped yttrium aluminoborate laser glasses by solid-state NMR	H. Deters, et al
252	Poster	Chemical Durability of Bismuth-based Glass in Acidic Medium	C. Fredericci, et al
258	Poster	Physicals properties of K ₂ SO ₄ and Mn in KHSO ₄ grown crystals by the method of aqueous solution.	A. C. A. Silva, et al
260	Poster	Study on Glass Ionomer Cement Formation with Glasses from the CaF ₂ -CaAl ₂ Si ₂ O ₈ -P ₂ O ₅ Ternary System	N. Karpukhina, et al
261	Poster	Influence of iron content and redox state on the structure of sodium borosilicate glasses	B. Cochain, et al
264	Poster	Electrochromic Study of NaPO ₃ -WO ₃ Glasses using Cyclic Voltammetry.	M. A. S. A. Baptista, et al
271	Poster	Influence of hydroxyl content and thermal history on the acoustic properties of B ₂ O ₃ glass.	D'Angelo Giovanna, et al
272	Poster	Preparation of Ge-Ga-Te Glasses and Study of their some Optical Properties.	M. A. S. A. Baptista, et al
273	Poster	Optical and Magnetic Properties of Nanocrystals of Zn(1-x)Mn(x)Te in the Glasses.	A. dos Santos Silva, et al
274	Poster	Composition and photoluminescence properties of Eu ³⁺ doped SrO-Al ₂ O ₃ -SiO ₂ glass-ceramics	L. Hong, et al
277	Poster	Refractive index changes in photo-darkened SbPO ₄ -WO ₃ Glass by exposure to below band-gap radiation	M. Ahlawat, et al
281	Poster	Refractive index of Ge _x S _{100-x} in the first glass formation region (38 < x < 43)	I.V. Skripachev, et al
283	Poster	Thermoluminescence Study of Glass System Doped with CaF ₂ Crystals and Mn	V. A. da Silva, et al
285	Poster	Electron Paramagnetic Resonance and Optical Absorption studies of Fe ₂ O ₃ in SNAB glass system	N. O. Dantas, et al
286	Poster	Study of Cd{1-x}Mn{x}S Nanocrystals Synthesized in a Glass Matrix	E. S. de Freitas Neto, et al
288	Poster	Bioglasses 45S5 surface modification by Ca ²⁺ /Na ⁺ ion exchange.	J. H. Lopes, et al
289	Poster	Properties of Bi ₂ O ₃ - PbCl ₂ - TeO ₂ glasses	P. Kostka, et al
290	Poster	Viscosity of bubble- and crystal-rich silicate melts	L. Grygarova, et al
292	Poster	Photocatalytic reduction of Hg(II) on catalyst prepared by the sol-gel and impregnation methods	M. C. P. de Souza, et al
293	Poster	Study of conjugated polymer/carbon nanotubes composites for application in photovoltaic cell	S. L. Nogueira, et al
294	Poster	Photocatalytic reduction of Hg(II) on catalyst prepared by the sol-gel and impregnation methods	C. V. Boas, et al
296	Poster	Methane steam reforming using Ni/Al ₂ O ₃ Sol-Gel and industrial catalysts	G. G. Lenzi, et al
308	Poster	Study of the ions Nd ³⁺ in vitreous system doped with nanocrystal of Cds.	E. O. Serqueira, et al
310	Poster	Effect of TEOS Addition on Formation of Au Metal Nano-particles in Au-doped Nonlinear Optical Fiber	S. Ju, et al
315	Poster	Glass formation in fluoride systems based on ZrF ₄ and BiF ₃	E. Merkulov, et al
317	Poster	Study of nonlinear effect in tellurite glasses doped with Pr ³⁺ ions	J. C. S. Moraes, et al
320	Poster	Synthesis and characterization of tellurium oxide based glass: TeO ₂ -B ₂ O ₃ -PbO ₂ (TBP) system	J. de los Santos Guerra, et al
322	Poster	Polar dynamics and structure of binary silicates glasses in the solid and liquid states	D. D. S. Meneses, et al
323	Poster	Specific absorption spectra of cerium in multicomponent silicate glasses	M. L. Anne, et al
328	Poster	Determination of phase transition temperatures of red blood cells (RBC) using DSC	A.V. Cardoso, et al

350	Poster	Selective catalytic reduction of NO with propane on mixed oxide catalysts obtained by sol-gel method	L. M. S. Colpini, et al
351	Poster	Partial crystallization and corrosion resistance of amorphous Fe-Cr-M-B (M=Mo, Nb) alloys	C. S. Kiminami, et al
352	Poster	The structure of amorphous calcium phosphate - a key intermediate in skeletal calcification	K. Wetherall, et al
355	Poster	Photothermal and optical studies of Tm ³⁺ doped aluminosilicate glasses	J. H. Rohling, et al
357	Poster	Upconversion and fluorescence properties of rare earth doped chalcogenide glasses	Z. Jihong, et al
358	Poster	Room temperature visible photoluminescence from Cd _{1-x} Zn _x Se quantum dots in glasses	K. Xu, C. Liu, J. Heo
359	Poster	The near and mid-infrared emission properties of Tm ³⁺ -doped Ge-Ga-S-Csl chalcogenide glasses	S. Dai, et al
361	Poster	Optical and spectroscopic properties of soda lime silicate glasses doped with Erbium and Silver	Z. M. da Costa, et al
362	Poster	Spectroscopic investigation of Ppo/Siloxane hybrids doped with KCF ₃ SO ₃	J. A. Chaker, et al
364	Poster	Low temperature synthesis of glass-ceramics with NZP-type structure from glass reactive sintering	S. Chenu, et al
366	Poster	Relations among nonbridging oxygen, basicity and color center in Cao-MgO aluminosilicate glasses	A. Novatski, et al
368	Poster	Nano-porous Xerogel Thin Films: Characteristics and Novel Biomembrane Applications	B. Nellis, et al
370	Poster	Structural Investigation of NaPO ₃ -WO ₃ -Ag nanocomposite glass by High Resolution XPS	I. S. Klein, et al
371	Poster	Anisotropic excitation of photo-luminescence in silica exposed to IR femtosecond laser light	M. Lancry, et al
374	Poster	Luminescence properties of ordered mesoporous silica impregnated with an europium complex.	L. F. Saliba, et al
379	Poster	Dielectric properties of tungsten oxide containing-phosphate glasses	B. C. Teiga, et al
380	Poster	Thermal-optical characterization of glasses by thermal mirror and thermal lens techniques	L. C. Malacarne, et al
381	Poster	Structural characterization of multicomponent oxides system for glaze applications	I. Atkinson, et al
382	Poster	Correlation between structure and properties of polycomponent glasses containing PbO	M. Zaharescu, et al
391	Poster	The Design Synthesis and Characterisation of Novel Bioactive Glasses for Coating Titanium Alloy	N. Lotfibakhshaiesh, et al
394	Poster	Crystallization and Optical Property of BaO-TiO ₂ -GeO ₂ Glass	Y. Yamazaki, et al
397	Poster	New IR-Transparent Chalcogenide Glass-Ceramics with the Optical SHG Functionality	T. Haizheng, et al
398	Poster	Study of nonlinear effect in tellurite glasses by Z-scan technique	J. C. S. Moraes, et al
402	Poster	Polarized Light Emission as a Result of the Molecular Alignment	P. A. Filho, et al
410	Poster	The Glass Formation Area in the Ternary ZnO-CdO-V ₂ O ₅	M. E. Z. Saucedo
412	Poster	Preparation & Characterization of ATO Films Coated on Glass Substrates with TiO ₂ -SiO ₂ Film	Ma Ming-ming, et al
417	Poster	Dimensional Swelling of Thin Chemically Strengthened Glass	P. K. Kreski, et al
418	Poster	Synthesis and optical characterization of PSS-Nd-Cr films	A. Marletta
419	Poster	On DSC-DTA methods to estimate nucleation rates in glasses	A. Cabral et al
423	Poster	Residual Stresses in Li ₂ O-Al ₂ O ₃ -SiO ₂ Glass-Ceramics	F. C. Serbena, et al
430	Poster	Gamma radiation effects on optical properties of PPV.	M. D. R. Silva, et al
431	Poster	Developing a Fe-FET based on PSS films doped with Fe ³⁺ .	Curcino, S. F., et al
432	Poster	Optical characterization of POMA/PPV films	G. G. Dalkiranis, et al

438	Poster	Investigation of Ge based chalcogenides doped with Er and Pr	Jiri Zavadil
440	Poster	Glass complex charge obtaining by hydrothermal method for uviol glass production	Volodya Baghramyan, et al
442	Poster	Uviol glass characteristics on the basis of hydrothermal charge	Anahit Kirakosyan, et al
447	Poster	Controlled microstructure and electrical conductivity of $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ glass-ceramics.	J. L. N. Semanate, et al
449	Poster	Heterophase impurity inclusions in glasses based on chalcogenides of germanium, arsenic and antimony	Vladimir Shiryayev, et al
452	Poster	Percolation and Fractal Clusters in Amorphous Metallic Alloys	A.V. Bondarev, et al
459	Poster	Spectroscopic studies of erbium in silica-titanium glasses obtained from sol-gel process	Zélia M. Da Costa, et al
462	Poster	Growth study and optical characterization of multi-layer organic solar cells	R. S. Nobuyasu Junior, et al
463	Poster	Microstructure and compressive strength of the spray formed $\text{Al}_{93}\text{Fe}_3\text{Ti}_2\text{Cr}_2$ alloy	C. T. Rios, et al
469	Poster	First Principles Calculations of the Structure & Properties of $\text{PbCl}_2\text{Sb}_2\text{O}_3\text{-TeO}_2$ Glasses	P. Kostka, et al
470	Poster	The Indentation, Flow and Relaxation of Select Silicate Glasses	M. Hojamberdiev, et al
471	Poster	The Glass Formation Area in the Ternary $\text{ZnO-CdO-V}_2\text{O}_5$	G. López, et al
479	Poster	An inverse method to understand near-surface tin diffusion profiles in float glass	Paul Tangney
480	Poster	Effect of rare earths on structure and corrosion kinetics of borosilicate glasses for nuclear waste	Majerus Odile
481	Poster	Setting Reaction of Experimental and Commercial Glass Ionomer Cements Studied by ^{27}Al MAS-NMR	Tais Munhoz
483	Poster	Evolution of the silica optical fiber strength under thermo-mechanical loading	R. El Abdi, et al
502	Poster	Study of Silicate Glass Structure after Au Ion Implantation	B. Svecova, et al
508	Poster	On the Microscopic Mechanism of the Liquid-liquid Phase Transition for Trans-dichloroethylene	Luiz C. Pardo et al

COMBINED SHORT ORAL + POSTER Crystallization 2009 , Sept. 11, 17:00 - 19:00h

11	Poster	Effect of Li ion-irradiation on Amorphous to crystalline phase transition in glassy $\text{Se}_{98}\text{In}_2$ alloy	H. Kumar, et al
12	Poster	Effect of High-Pressure in the Crystallization Kinetics of a $\text{Li}_2\text{O} \cdot 2\text{SiO}_2$ Glass	S. Buchner, et al
33	Poster	Raman spectroscopy and HRTEM study of phase separation and crystallization in LAS glasses	W. Zheng, et al
51	Poster	Evolution of Cluster Size-Distribution in Nucleation and Spinodal Decomposition in Regular Solution	A. Abyzov, et al
65	Poster	Structure and dynamics of a series of room temperature ionic liquids	B. Aoun, J.F. Wax, et al
73	Poster	The structural role of manganese ions in some zinc-phosphate glass ceramics	P. Pascuta, et al
75	Poster	$\text{Bi}_2\text{O}_3\text{-(Na}_2\text{O, K}_2\text{O)-SiO}_2\text{-CaO-Al}_2\text{O}_3\text{-B}_2\text{O}_3\text{-CuO}$ Glass System Based on Local Quartz Sand	P. Dararutana, et al
80	Poster	Blue emitting $\text{BaF}_2\text{-B}_2\text{O}_3$ glass ceramic doped with Eu^{2+} ions	Y. Dwedi, et al
86	Poster	Sintering and crystallization of glass-ceramic/ CNT nanocomposites	C. Siligardi
90	Poster	Effect of Ag, Pd and Pt on crystallization of tungsten phosphate glasses	G. Y. Poirier, et al
102	Poster	Crystal Growth Kinetics of $\text{BaO-B}_2\text{O}_3\text{-SiO}_2$ glass system	W. Avansi, et al
105	Poster	Synthesis and crystallization studies of $\text{BaO-B}_2\text{O}_3\text{-SiO}_2\text{-Al}_2\text{O}_3$ glassy system	P. Brajato, et al

117	Poster	Crystallization behaviour of Na ₂ O-CaO-CaF ₂ -SiO ₂ -P ₂ O ₅ potential bioactive glasses	G. Malavasi, et al
122	Poster	Effect of ZrO ₂ on the structure and the crystallization of a new nuclear glass	A. Quintas, et al
130	Poster	Crystallization of Al-rich amorphous alloys of the system Al-Ni-Sm	Luis C. R. Aliaga, et al
133	Poster	Glass forming ability and crystallization behavior of Cu-Zr-Al alloys	Vanessa M. Chad, et al
166	Poster	Investigation of the structural stability of nanoparticles of maghemite by Raman spectroscopy	A.F. da Silva, et al
168	Poster	Evolution of Zr environment during nucleation of Zr doped MgO-Al ₂ O ₃ -SiO ₂ glass-ceramics	O. Dargaud, et al
176	Poster	Effect of Ni on the crystallization of phases from SiC _x O _y	M. G. Segatelli, et al
184	Poster	Preparation and Characterization of ATO Films Coated on Glass Substrates with TiO ₂ -SiO ₂ /SiO ₂ Film	Ma Ming-ming, Zhao Qing-nan
186	Poster	Alkali-thermal treatment for obtaining of titanate nanotubes	M. Zharareescu, et al
188	Poster	Effect of substrate temperature on the crystal growth orientation of spray-deposited SnO ₂ :F films	D. Miao, et al
189	Poster	Preparation and Characterization of FTO/TiO ₂ -SiO ₂ Films Coated on Glass Substrate By Spray Pyrolysis	W. Zhendong, et al
192	Poster	Effect of heat treatment temperature on crystal orientation of FTO films coated on glass substrates	S. Wu, et al
205	Poster	Nucleation and growth in a 2D system using molecular dynamics	L. G. V. Gonçalves, et al
221	Poster	Sintered glass-ceramics in the SiO ₂ -CaO-K ₂ O system from sugarcane bagasse ASH (SCBA)	S. R. Teixeira, et al
223	Poster	Hot Extrusion of the Nanocrystalline AlSiCuFe powder Alloy: Microstructural and Mechanical Properties	M. M. Peres, et al
225	Poster	Use of sugarcane bagasse ASH (SCBA) to produce sintered SiO ₂ -CaO-Na ₂ O glass-ceramics	S. R. Teixeira, et al
226	Poster	Controlling phase separation and molybdate crystallization in MoO ₃ rich borosilicate glasses	Magnin, et al
231	Poster	Nucleation and growth behavior of Tellurite-based glasses and fibers.	J. Massera, et al
232	Poster	Sintering and crystallization in ceramic materials from blast furnace slag	E. Karamanova, et al
233	Poster	Study of the physical properties of SnO ₂ doped with transition metals	F. F. Herrera Aragon, et al
238	Poster	Study of the formation of glass-ceramics by high-temperature X-ray diffraction	M. Comte, et al
243	Poster	Crystallization Properties from Alumina Samples Obtained Using Polymerization and Sol-gel Methods	J. F. S. Bitencourt, et al
251	Poster	Influence of water on the kinetics of mullite crystallization obtained from sol-gel method.	T. C. de Oliveira, et al
254	Poster	Influence of Crystallization on Electrical Conductivity of Zinc Iron Phosphate Glasses	A. Mogus-Milankovic, et al
255	Poster	Influence of zirconium on the crystallization of a calcium aluminosilicate melt	E. Strukelj, et al
266	Poster	Molecular Mobility of Hydrated Sugar Glasses Studied by Electron Spin Resonance Spectroscopy	W. M. de Abreu, et al
276	Poster	Electrochemically-induced crystallization in lead oxifluoroborate glasses: the electrodes influence	J. E. de Souza, et al
278	Poster	Bi ₄ Ge ₃ O ₁₂ scintillator phase induced crystallization in BGO glasses doped with 0.2 mol% of CeO ₂	S. R. de Souza, et al
279	Poster	Crystallization kinetics in kaolinitic raw material used by the red ceramic industry	R. A. da Silva, et al
282	Poster	Optical and structural characterizations of glass-ceramics based on the Ga ₂ S ₃ -GeS ₂ -CsCl system	Y. Ledemi, et al
300	Poster	Study of the luminescent properties of KAlSi ₃ O ₈ obtained by sol-gel technique for use in dosimetry	E. L. Pires, et al
301	Poster	Investigating Multiple Thermal Transitions on Organic Glasses	W. M. de Abreu, et al
305	Poster	Crystallization Behavior in Iron Phosphate Glasses	M. Schmitt, et al

309	Poster	Thermal Analysis and Liquidus Surface of $\text{Fe}_4(\text{P}_2\text{O}_7)_3\text{-Fe}(\text{PO}_3)_3$ System	Zhang, et al
313	Poster	Glass formation and crystallization in systems $\text{SnF}_4\text{-NH}_4\text{F}$ and $\text{SnF}_4\text{-NH}_4\text{F-MF}$	M. Eugeny, et al
339	Poster	Formation of fast-ionic conduction path in superionic glasses from molten and supercooled states	Y. Kawakita, et al
342	Poster	Beta-quartz crystallization in a lithia aluminosilicate glass	R. Wurth, et al
344	Poster	Crystallization of niobium oxide containing glasses and nonlinear optical properties	E. Fargin, et al
349	Poster	Effect of urea on the mullite crystallization	L. De Simone Cividanes, et al
354	Poster	Ferroelectric single crystal architecture in LaBGeO_5 glass by femtosecond vs. continuous wave laser	A. Stone, et al
375	Poster	Raman Characterization of Femtosecond Laser Induced Crystallization in LaBGeO_5 Glass	G. Stone, et al
389	Poster	DSC method for determining the liquidus of glass forming systems	E. B. Ferreira et al
390	Poster	Nucleation and crystal growth of phases from iron aluminium silico-phosphate glasses including U_3O_8	J. M. Rincon, et al
406	Poster	Space selective crystallization using IR furnace	H. Masai, et al
415	Poster	Study of electrical conductive $\text{C/SiC}_x\text{O}_y$ ceramic composites	R. R. Lage, et al
416	Poster	Growth kinetics of NiO nanoparticles: An in situ X-ray diffraction study	C. T. de Meneses, et al
425	Poster	Gadolinium-environment in phosphate-tellurate glass ceramics	S. Rada, et al
427	Poster	Gadolinium-Lead-Borate Glass Ceramics	M. Rada, et al
435	Poster	Diffusion Processes in Lead Metasilicate Glass	B. B. de Lima, et al
436	Poster	Crystallization study of transparent ceramics in the ternary $\text{SiO}_2\text{-PbO-Na}_2\text{O}$ system	O. C. Mocioiu, et al
439	Poster	Nitrogen Rich Ca-Si-O-N Glasses Crystallization	A. Sharafat, et al
443	Poster	Thermo-mechanical properties of a sintered $\text{Li}_2\text{O-Al}_2\text{O}_3\text{-SiO}_2$ glass-ceramic	V. O. Soares, et al
444	Poster	Biosilicate Scaffolds by Addition of Porogen Agents	M. C. Crovace, et al
446	Poster	Modeling and experimental test of sinter-crystallization of glass particles	R. M. C. V. Reis, et al
450	Poster	Crystal Nucleation and growth in $\text{Li}_2\text{O.2B}_2\text{O}_3$ glasses	L. Ghussn, et al
451	Poster	Synthesis and characterization of vitreous and crystalline bioactive powders by chemical processes	R. Luiz Siqueira, et al
453	Poster	Characterization and crystallization of a basalt glass from Sao Paulo State, Brazil	S. M. Toffoli, et al
460	Poster	Lanthanum aluminosilicate glass infiltrated over nanostructured bioceramics for dental materials	C. Paucar, et al
461	Poster	Thermoluminescent behavior of $\text{Li}_2\text{OAl}_2\text{O}_3\text{2SiO}_2\text{xCeO}_2$ ($\text{x}=0.5, 1, 2, 10, 20$) for X-Ray dosimetry applications	C. Paucar, et al
465	Poster	Development of Low Temperature Glass Ceramic from an Ophthalmic Glass Composition	E. A. Ali, et al
468	Poster	Devitrification Study of $\text{PbCl}_2\text{Sb}_2\text{O}_3\text{-TeO}_2$ Glasses	P. Kostka, et al
474	Poster	Influence of crystallization on hardness & fracture toughness of $\text{3CaO.P}_2\text{O}_5\text{.SiO}_2\text{-MgO}$ glasses	J. K. M. de Faria Daguano
482	Poster	Phase separation in binary alkali silicate glasses	Valls
494	Poster	Crystallization study of germanosilicate glasses	R. Santos, et al
504	Poster	Crystallization Kinetics of Easy Glass formers Cu-Zr-Al Alloys	F. Politi et al.
507	Poster	Crystallization Kinetics of Cu-Zr-Ti Glassy Alloys	F. Politi et al.

Traditional POSTER Session (PNCS XII), Sept. 8, 16:35h

14	Poster	Magneto-Optical Properties and Clustering of Dy ³⁺ ions in Oxide Glasses	Alexander Malakhovskii, et al
39	Poster	Energy and electron transfer interplay in the luminescence quenching of Eu ³⁺ in glass with Cr ³⁺	Vânia Muralha, et al
112	Poster	Quantum efficiency measurements on Nd-doped glasses for solar pumped lasers	T. Suzuki, et al
137	Poster	Bi-containing Fluoride Glasses in the Systems Based on InF ₃ and ZrF ₄	L. Ignatieva, et al
138	Poster	Specialties of structure and crystallization of the glasses on the base of oxyfluorides	N. Savchenko, et al
139	Poster	Dispersion flattened tellurite microstructure fibers for broadband lightwave processing	M. Liao, et al
140	Poster	Spectroscopy of bismuth-doped lead-aluminum-germanate glass and yttrium-aluminum-silicate glass	M. Hughes, et al
162	Poster	Use of magnetic resonance to investigate magnetic fluids for transformers application	E. S. Leite, et al
167	Poster	Spectroscopy of Eu(III) and FRET to CoO in Soda-Lime Glass	Andreia Ruivo, et al
191	Poster	Improvement of NIR emission quantum efficiencies of Nd,Cr-coped glasses for solar pumped lasers	S. Mizuno, et al
196	Poster	Liquid Metals Thermodynamics from Calculations with the Square-Well Reference System	N. E. Dubinin, et al
200	Poster	Up-conversion fluorescence and low-temperature emission in Er-doped Ge-Ga-S-CsBr glasses	Zoja Ivanova, et al
202	Poster	Influence of heat treatment on the colour of Au and Ag glasses produced by the sol-gel pathway	Marcia Gonçalves Ventura, et al
228	Poster	Structure and properties of ZnO-B ₂ O ₃ -P ₂ O ₅ -TeO ₂ glasses	Petr Mosner, et al
263	Poster	Metal contact properties of thermal annealed PECVD sic thin films	Alessandro R de Oliveira, et al
312	Poster	Study of catalytic properties of amorphous chalcogenides during the formation of thin organic films	David Vesely, et al
353	Poster	Chemical self-organization and phase separation in non-crystalline and nanocrystalline thin films	Gerald Lucovsky, et al
441	Poster	Synthesis of Magnesium, Calcium and barium high modulus hydrosilicates blend	Anahit A. Sargsyan
471	Poster	The Glass Formation Area in the Ternary ZnO-CdO-V ₂ O ₅	G. Lopez, Ma. E. Zayas et al
473	Poster	High Resolution Electrical Characterisation of Ag-conducting Heterogeneous Chalcogenide Glasses	Piarristeguy Andrea
477	Poster	Effect of Copper on DC & AC Conductivity of (As ₂ Se ₃)-(As ₃) Glassy Semiconductors	Svetlana Luki-Petrovi
520	Poster	Ionic Blocking Effect in Partially Crystallized Lithium Disilicate: Crystal Size and Orientation	D. A. Sá, et al
524	Poster	Crystallization Kinetics of 1Na ₂ O.2CaO.3SiO ₂ Glasses with Small Li ₂ O Additions	T.M. Mosca, et al

Traditional POSTER Session (Crystallization 2009), Sept. 12, 17:05h

54	Poster	Study of RF Magnetron sputtering TiO _x N _y films	K. F. Albertin, et al
56	Poster	Photoluminescence in amorphous silicon nitride nanostructured films	M. Ribeiro, et al
84	Poster	Dissolution of alumina in glass matrix composites	S. Reinsch, et al

134	Poster	Metastable Extension of the Melting Line and the Terminal Critical Point	Vladimir Baidakov, et al
152	Poster	Effect of B/Al substitution on crystallization and structure of boron gehlenite	Emmanuel Véron, et al
173	Poster	Crystallization of REAlO ₃ and REBO ₃ in rare earth aluminoborosilicate glasses.	S. Alahrache, et al
227	Poster	Structural and electrical properties of crystallized SiC films obtained by PECVD technique	Alessandro R de Oliveira, et al
311	Poster	Composition and crystallization of R ₂ O-Al ₂ O ₃ -SiO ₂ Glass-ceramic Used as Anodic Bonding Materials	Xiong Dehua et. al.
393	Poster	Aluminium influence on crystallization of silico-phosphate glasses from NaCaPO ₄ -SiO ₂ system	Maciej Sitarz, et al
485	Poster	Interface Controlled Nucleation and Crystallisation	C. Ruessel, et al.
499	Poster	Application of the Classical Nucleation Theory to Conductive Polymers	M.G.Xavier, et al
518	Poster	Non-isothermal Crystallization of Fresnoite Glass	A. M. Rodrigues, et al