

CURRICULUM VITAE

PERSONAL INFORMATION

Name, Surname Valentina Biasini
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WORK EXPERIENCE

Dates From 2014 – today

- Head of the Transparent Ceramics research group.
- Principal investigator of the Italy – Israel Joint Research Project “T-SC Transparent spinel-based ceramic materials for strategic aerospace applications” funded under the MOU between the Italian Ministry of Defense and The Ministry of Defense of the State of Israel. Duration 23/01/2017 – 22/07/2018.
- Principal investigator of the bilateral project “Preparation and Characterization of Solid State laser Materials and its Application in Solar Pumped laser” funded under the scientific cooperation agreement between CNR and NRC (Egypt). Duration: 01/01/2016 – 31/12/2017.
- Principal investigator of the “CeMiLAP - Ceramiche microstrutturate trasparenti per applicazioni laser di alta potenza: sviluppo e validazione” funded by the Italian Ministry of Defence under the PNRM program (24/09/2015 - feb .2017)
- Work package leader of the “EUCERMAT - EUropean CERamic MATerials” project funded under the Erasmus+ Programme, Key Action 2, and coordinated by the University of Limoges (France). Duration 2015 – 2018.
- Quality Manager of CNR ISTEC.

Name and address of employer Institute of Science and Technology for Ceramics (CNR ISTEC)
 Via Granarolo, 64 – 48018 Faenza - Italy
Occupation or position held Technologist
Main activities and responsibilities Preparation and coordination of research projects (both national and international).Presentation of results on conferences and workshops, writing and submission of scientific articles. Peer review of scientific papers.
 Managing of the Quality System of CNR ISTEC

Dates From August 1996 – December 2013

- Team member of the structural ceramics research group.
- Coordinator of National contracts.
- Quality Manager of CNR ISTEC.

Name and address of employer Institute of Science and Technology for Ceramics (CNR ISTEC)
 Via Granarolo, 64 – 48018 Faenza - Italy
Occupation or position held Researcher
Main activities and responsibilities Presentation of results on conferences and workshops, writing and submission of scientific articles. Peer review of scientific papers. Preparation and coordination of research projects (both national and international).
 Managing of the Quality System of CNR ISTEC

Dates 01/11/1989 – 31/07/1996
Occupation or position held Temporary researcher at CNR-Research Institute for Ceramic Technology, Faenza -I
Main activities and responsibilities

- Team member of the structural ceramics research group.
- Head of the Electron Microscopy Laboratory.
- Coordinator of national and international research projects and contracts.

Name and address of employer CNR – Italian National Research Council

Dates 01/11/1988 – 31/10/1989
Occupation or position held Research fellow
Main activities and responsibilities

- Member of the research team on production process, microstructural and mechanical characterisation of Al₂O₃-ZrO₂ advanced ceramic composites. Fellowship funded by Istituto Guido Donegani, Montecatini Edison S.p.A.
- Member of the research team on the feasibility study for the production of hot pressed silicon nitride composites with whiskers of silicon carbide. Fellowship funded by Agenzia Polo Ceramico Soc. cons. a r.l.
- Member of the research team on the characterization of advanced ceramic materials in particular morphological and compositional analysis of raw, green and bulk materials. Fellowship funded by CNR.

Name and address of employer CNR IRTEC, Research Institute for Ceramic Technology
via Granarolo, 64 – 48018 Faenza - Italy

EDUCATION AND TRAINING

Dates 1986
Name and type of organisation providing education and training University of Bologna – Italy
Principal subjects, occupational skills covered Material science
Title of qualification awarded Degree in Physics
Level in National classification Master degree

RESEARCH ACTIVITIES

Research sectors Research and development of transparent ceramics, Advanced ceramics processing, Thermomechanical properties, Sintering, Microstructural characterisation.

- Books and Articles
- J.Hostaša, A. Piancastelli, G. Toci, M. Vannini, V. Biasini, Transparent layered YAG ceramics with structured Yb doping produced via tape casting, *Optical Materials*, 65 (2017) 21–27.
 - J. Hostaša, V. Biasini, A. Piancastelli, M. Vannini, G. Toci, Layered Yb:YAG ceramics produced by two different methods: processing, characterization and comparison, *Optical Engineering*, Volume 55, Issue 8, 1 August 2016, Article number 087104 .
 - V. Biasini, Implementation of a quality management system in a public research centre, *Accreditation and Quality Assurance*, 17, 6 (2012) 621-626.
 - V. Biasini, M Dondi, G. Guarini, M. Raimondo, A. Argnani, S. Di Primio, Effect of talc and chlorite on sintering and technological behaviour of porcelain stoneware tiles, *Silicates Industriels*, 68 (2003) 67-73.
 - S. Di Primio, A. Argnani, R. Nofri, V. Biasini, M. Dondi, G. Guarini, M. Raimondo, Multiuse Bodies For Ceramic Tiles, *Industrial Ceramics*, 974 (2002) 34-39.
 - Dondi M., Biasini V., Guarini G., Raimondo M., Argnani A., Di Primio S., The influence of magnesium silicates on technological behaviour of porcelain stoneware tiles, *Key Engineering Materials*, 206-213 (2002) 1795-98.
 - Biasini V., Dondi M., Guicciardi S., Melandri C., Raimondo M., Generali E., Settembre Blundo D., Mechanical properties of porcelain stoneware tiles: the effect of glass-ceramic systems, *Key Engineering Materials*, 206 (2002) 1799-1802.
 - V.Biasini, M.Parasporo, A.Bellosi, Fabrication and Characterization of Al₂O₃ Porous Bodies by

Hot Isostatic Pressing, Thin Solid Films 297 (1997) 207-211.

- V.Biasini, M.Dondi and B.Fabbri, Composizione Chimica all'Interfaccia Smalto/Supporto. II: Piastrelle con Impasto Greificato, Ceramurgia, 4 (1995) 195-99. ISSN: 0045-6152
- V.Biasini and E.Cristoferi, A Study of Corrosion Products on XVIth-XVIIth Century Armour from the Ravenna National Museum, Studies in Conservation, 40 (1995) 250-256. ISSN: 0039-3630.
- D.J.Baxter, V.Biasini, P.Moretto, T.Graziani and A.Bellosi, Hot-Salt Induced Degradation of a High Strength Silicon Nitride, Key Engineering Materials, 89 (1993) 313-318.
- C.Galassi, V.Biasini and A.Bellosi, Effect of Powder Characteristics and Mixing Processes on the Microstructure and Properties of Silicon Nitride, Processing of Advanced Materials, 3 (1993) 153-161. V. Biasini, A. Tampieri, E. Landi, Oxidation behaviour of TiB₂, Al₂O₃-TiB₂ and Si₃N₄-TiB₂ Ceramic System, Beitr. Elektronenmikroskop. Direktabb. Oberfl., 25 (1992) 155-160.
- C.Galassi, V.Biasini and S.Guicciardi, Correlation between Casting Parameters and Mechanical Properties of an Al₂O₃-ZrO₂ Composite, Journal of the European Ceramic Society, 12 (1993) 441-448.
- D.J.Baxter, T.Graziani, P.Moretto and V.Biasini, Corrosion and Mechanical Degradation of Silicon Nitride in a Gas Turbine Environment, Journal of Material Science Letters, 12 (1993) 1533-1535.
- V.Biasini, S.Guicciardi and A.Bellosi, Silicon Nitride-Silicon Carbide Composite Materials, International Journal of Refractory Metals and Hard Materials, 11 (1992) 213-221.
- A.Ravaglioli, A.Krajewski, V.Biasini, R.Martinetti, C.Mangano and G.Venini, Interface between Hydroxiapatite and Mandibular Bone Tissue, Biomaterials, 13 (1992) 162-167.
- V.Biasini, D Dalle Fabbriche, T.Graziani and A.Bellosi, Influence of Powder Characteristics and Sintering Methods on Silicon Nitride Microstructure, Materials Engineering, 2 (1991) 373-396. ISSN 1120-7302, Mucchi Editore, Italy.

Faenza, 11/09/2017