

CURRICULUM VITAE

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Date of birth: January 6th, 1964

Birth place: Korydallos, Piraeus, Attica, Greece.

Nationality: Greek

Short profile

- *Interdisciplinary* experience and background ranging between *natural sciences, chemical and structural characterisation, instrumentation, technologies and aspects of life sciences*. *Interdisciplinarity* and *Mobility* are highly respected by the *European Commission* as the only way to achieve innovative results and products while enhancing one's personality through intercultural activities.
- *Current research* involves intensive work on secondary minerals in Martian meteorites (original results to be published), aspects on ultra-high pressure (UHP) diamondiferous rocks, astrobiology, biominerals & biosignatures, life under extreme conditions (simulated, zero and high gravity – ESA & ISS involvement), biodeterioration, restoration & laser cleaning of artworks, analytical techniques and automated spectral interpretation (TOF-SIMS, Raman, optical microscopy), materials characterisation (TOF-SIMS, Raman, TEM, FTIR, optical microscopy, Spectroscopy, SEM/EDS/EBSD, XRD etc.), mineralogy and petrology (Ultra-high

pressure metamorphic rocks), materials. Efforts to combine the above with the development of instruments for planetary exploration.

- Able to work under own initiative and in teams, even under stress conditions.
- Very flexible, efficient and dedicated to achieve results of a high standard.
- Easy to conceive or understand new ideas and to pursue those ideas further, also with an artistic touch and perspective.
- Highly proficient in *computing* and *Internet*, skilled in latest technologies.
- Demonstrated experience in successfully presenting results and in quality proposal and report writing.
- Management skills through European projects and project management in industry. Also, experience in evaluating technical work through the frequent participation in the industrial panels as evaluator and vice chair assisting the *European Commission*. This provided additional organisational skills since I participated in the whole procedure from allocation of resources and people to evaluation and panel meetings.
- Speaking and writing *English* (fluent), *German* (good), *Greek* (mother tongue).
- Friendly personality, easily adapting into different cultures.

Achievements

- Multidisciplinary research and development work in areas involving *state-of-the-art technologies*, original work on *semi-automated handling and assembly* with *pattern recognition for MEMS* and *optical devices* in the *micro- and nano-scale*, *materials science*, *photonics*, *geo/cosmochemistry* (isotope geology) and *IST Technologies*.
- First to find and publish *siderite carbonates* in a *Martian meteorite*, also *Mn-Fe carbonates* of the highest $\delta^{18}\text{O}$ value known in carbonates. Further work with very original findings under investigation.
- More than thirty original publications, large amount of teaching material in the area of Micro- and Nanotechnologies, Mineralogy, Instrumental Methods for Analyses of Natural and Technological materials, and on Ore Deposits.
- Successful submission of proposals for national and EU projects have provided to my institutes additional financial resources and new appointments for researchers. Development of concepts for new products and projects for industrial R&D.

Education

Jan '90 – Sep '93

Ph.D. studies. Degree awarded on December 16th, 1994, by the University of Manchester, England. (Department of Earth Sciences / Supervisor Prof. Grenville Turner)

Title: "The Development of a Multi-Collector Ion Microprobe for the study of Oxygen Isotopes in Nature."

Jan '89 – Dec '89

M.Sc. studies (Method II, by research). Degree awarded on 27th November 1990 by the University of Manchester, England. (Department of Earth Sciences / Supervisor Prof. Grenville Turner)

Title: "A Search for Martian Alteration Products and Atmospheric Argon in the Nakhla Meteorite."

Sep '83 – Jun '87

B.Sc. studies in Geology. Degree awarded on June 1987 by the National University of Athens (Geology Department), Greece.

Special courses have been attended on crystallography and crystal chemistry, mineralogy, geochemistry, chemical and physical analysis and characterisation of rocks and minerals, petrology and mineral exploration. A dissertation thesis was also presented which included field work on island Milos, Aegean Sea, Greece (see Kelepertsis and Chatzitheodoridis, 1989).

Employment

Since Dec '09

Assistant Professor, National Technical University of Athens, Greece; School of Mining and Metallurgical Engineering; Department of Geological Sciences.

Director of the Laboratory of Mineralogy, Petrology and Economic Geology (since 10/2012).

- *Teaching: Mineralogy, Petrology, Economic Geology, Applications of Informatics and Programming Languages, Environmental Geochemistry, Applied Mineralogy*
- *Original research on Martian meteorites*
- *Materials and technologies oriented research interests*
- *Research on micro- and mega-gravity effects in micro-organisms*
- *Preservation and Restoration. Building materials.*

Feb '03 – Nov '09

Lecturer, National Technical University of Athens, Greece; School of Mining and Metallurgical Engineering; Department of Geological Sciences.

- *Teaching Mineralogy, Petrology, Economic Geology, Applications of Informatics and Programming Languages*
- *Original research on Martian meteorites*
- *Materials and technologies oriented research interests*

Apr '01 – Jan '03

Austria Technologie & Systemtechnik Aktiengesellschaft (AT&S AG), Leoben-Hinterberg, Austria. Responsibilities include:

- *Research and innovation in Printed Circuit Boards (PCB).*
- *Nanostructuring in materials using Two-photon absorption*
- *Optics and photonics integration for telecommunication applications*
- *Scientific/technical project management.*

Mar '98 - Mar '01

Technical University of Vienna, Institute of Micro-engineering and Precision Mechanics (Institut für Feinwerktechnik, Technische Universität Wien). Employed as a post-doctorate researcher for the TMR HAFAM project (see Further Training).

- *Developed a system for computerised, semi-autonomous micro-handling and micro-assembly of MEMS, operating in the micron and submicron scales.*
- *Scientific and management reporting for the EU project HAFAM (see Training).*
- *Supporting the development of an Internet course on microtechnologies, managing my group and reporting to the coordinator (EU-IST project TRANSTEC).*
- *Frequent travelling and laboratory visits to project partners.*
- *Was teaching an introduction course on microtechnologies to university students (TUWIEN).*

Apr '96 - Feb '98

Foundation for Research and Technology – Hellas (FORTH), Institute of Electronic Structure and Laser (IESL), Materials Group. Employed as a post-doctorate researcher.

- *Photonic band-gap Crystals (PCs or PBGs) for microwave and optical applications: Their fabrication and characterisation to operate as filters in the mm and μm wavelengths.*
- *Growth and characterisation of Indium oxide thin films. Study of thin films produced by sputtering deposition such as InOx, ceramic materials.*
- *Extensive use of microtechnologies (mainly the LiGA technique –Deep x-ray lithography) to fabricate 3D photonic band gap artificial crystals. Included working visits to main synchrotron laboratories in Europe.*
- *Proposal, report writing and computer/technical support for my group.*
- *Frequent travelling and laboratory visits and work to project partners.*

Jan '96 – Mar '96

National Technical University of Athens, Department of General Sciences (now School of Applied Mathematics & Natural Sciences), Section of Physics, Greece (NTUA). External collaborating researcher.

- *Setting-up a system for the characterisation and calibration of a high-resolution x-ray position sensitive detector which would be installed on a rapid acquisition x-ray diffraction system.*

Short-term employment / Summer training

- **LARCO, Neo Kokkino, Greece:** A private company for mining Lattarites. Summer training in Field geology, cartography and geophysical measurements with magnetic methods.
- **IGME, Institute for Geology and Mineral Exploration**, Athens, Greece: Summer training in computational methods and applications in Earth Sciences.
- **Software development**, part time at a topographer's office (Androulakakis, Athens, Greece), developing data input software tools and tools for the graphical display and manipulation of topographical data.

Evaluation and Reviewing activities

2007 - today

Evaluator and Project Reviewer of the *Space Cooperation Actions of FP7, Strengthening Space foundations*, European Commission. (All calls of FP7)

2011-2012

Evaluator of the *Fonds de la Recherche Scientifique – FNRS*, providing grants for research within Belgium.

2009

Evaluator of the *Research Councils UK*, providing grants for research within UK.

2003 – 2006

Vice-chair and Evaluator of the *Marie Curie Network Projects (MC-RTN, FP6 Structuring the European Research Area: Human Resources and Mobility Programme)*, Industrial Panel, European Commission. (For four successive calls)

2005 - 2007

Member of the *Advisory Board for the European Network Project “ASSEMIC – Advanced Methods and Tools for Handling & Assembly in Microtechnology”*, Framework Package 6, Marie Curie Research Training Network. (<http://www.assemic.net/>).

Memberships

- Management Committee representative for COST Action “*ORIGINS (Origins and evolution of life on Earth and in the Universe)*” (<http://www.cost.eu/TD1308>).
- Executive member of the *European Astrobiology Network Association (EANA)* – Representative for Greece and founder of the *Greek Astrobiology Association* (<http://www.astrobiology.gr>).
- Member of the *International Geochemical Society* (<http://www.geochemsoc.org/>).
- Founding Member of the *Research Centre for the Culture and Environment (RCCE)*, a non-profit organisation established in Athens, Greece (<http://www.ekeppol.gr/>). Validated by the European Commission, 7th Framework programme, with PIC 986892066.
- Manager of the “Astrobiology” group in *LinkedIn*[®] currently with more than 450 members. (<http://www.linkedin.com/groups?gid=1912155>)
- Manager of the “Biosignatures” group in *LinkedIn*[®]. (<http://www.linkedin.com/groups?gid=4797037>)
- Manager of the “Martian Meteorites” group in *LinkedIn*[®]. (<http://www.linkedin.com/groups?gid=4764885>)
- Member of the Astrobiology Future initiative. (<https://www.astrobiologyfuture.org/>)

Workshops

Drilling for the Future, Edinburgh Workshop, May 2008, Project no. ERAC-CT-2003-510218, ECORD-Net.

Further training

HAFAM TMR Network project

"Handling and Assembly of Functionally Adapted Microstructures"

TMR European Network Project under the 4th Framework Programme.

<http://www.ifwt.tuwien.ac.at/hafam/>

PHOBOS LSF Guest experiment

"Microfabrication and Characterisation of Photonic Band Gap Materials".

Guest experiment of the Human Capital & Mobility, Large Scale Facility Project entitled: "Microfabrication Capability and Expertise for User-defined Purposes. This project utilised the LIGA microfabrication technique and included visits to Institute für Mikrotechnik - Mainz, (Mainz, Germany), LURE-DCI (Orsay, France) and BESSY (Berlin, Germany) synchrotron radiation sources.

ACRYS LSF Guest experiment

"New Concepts in the Fabrication of Artificial Crystals"

Guest experiment of the Human Capital & Mobility, Large Scale Facility Project entitled: "Microfabrication Capability and Expertise for User-defined Purposes". This project utilised micro-machining techniques and included visits to Institute für Mikrotechnik - Mainz (Mainz, Germany).

FSRM course: "Silicon Machining"

Course took place at Vienna, Austria.

FSRM course: "Nanotechnology: Accessing the Nanoscale"

Course took place at Neuchâtel, Switzerland.

Educational experience

Teaching

- National Technical University of Athens, Greece: since February 2003.
Bachelor Courses: Mineralogy (Crystallography); Petrology; Economic Geology; Applied Mineralogy; Environmental Geochemistry; Design and Development of Applications in Information Technology. Extensive multimedia material on the internet to support the students of my university.
Post-graduate courses: Spectroscopic and Scattering methods.
Currently: 4 PhD students, 2 Diploma student
Past: 7 Diploma students
- Erasmus mobility, Teaching, Erasmus Agreements
A series of lectures made during visits to the following universities:

- 1) Riga Technical University, Latvia (Agreement & Lectures)
 - 2) University of Manchester, School of Earth, Atmospheric and Environmental Sciences (Agreement & Lectures)
 - 3) National Arts University of Bucharest, Romania (Agreement)
 - 4) Teaching students from the University of Oviedo, Spain.
- Invited lecturer at Malta University, Msida-Malta, Department of Manufacturing and Engineering.

2008, 21-23 April: A set of lectures on microtechnologies and microfabrication provided to M.Sc. students (M.Sc. in Integrated Product Development). Also a public lecture with title: "TOF-SIMS: instruments, methods and its application in technology".

2007, November: A set of lectures on microtechnologies and microfabrication provided to B.Sc. students. Also a public lecture with title: "Developments on Laser machining: applications in photonics and in analytical tools".

2006, 22-23 May: A set of lectures on microtechnologies and microfabrication provided to M.Sc. students (M.Sc. in Integrated Product Development). Also a public lecture with title: "Introduction into Micro-and Nanotechnologies, Handling and Assembly of MEMS and NOEMS".
 - Technical University of Vienna (TUWIEN), Summer Semester 1999.
 - Course: "Micromachining - An introduction to Microfabrication Technologies for MEMS"
LIGA, Optical and other lithography techniques, Silicon machining, Laser machining, nanotechnologies, etc. Extensive course material, including multimedia, and lecture notes were authored specially for this course and given or presented to students.
 - TRANSTEC
A European Network project to develop INTERNET-based training courses on micromechanics, microfabrication techniques and MEMS. Involved in software and multimedia development and authoring, concept development, management and participated in meetings since the beginning of the project. I also participated in testing the course with a group of students at the Fachschule Wiener Neustadt, Austria.
 - LEONARDO
A European Network project aiming to standardise the terminology and the education on microtechnologies. I contributed into some concepts and report writing.

Scholarships, Grants, Visiting Research Grants

Since Jan '04

Visiting researcher at Manchester University, School of Earth, Atmospheric and Environmental Sciences, PARC grant. Work involves studies on Martian meteorites (use of a prototype TOF-SIMS and of other techniques).

Jan '90 – Sep '93

My PhD studies have been financially supported by the Greek State Scholarships Foundation, 14 Lysicrates St., GR-105 58 Athens, Greece.

Mar '97

Grant from British Council to support travelling and accommodation expenses to Manchester University England, UK. During my stay, research on "Oxygen isotopic analyses on secondary

carbonate minerals of a Martian meteorite" has been performed with the group of Isotope Geochemistry of the Dept. Of Earth Sciences (See abstract Saxton et al, 1997).

Publications in Peer Reviewed Journals

1. **CHATZITHEODORIDIS E., HAIGH S., LYON I.**, (2014), "A conspicuous clay ovoid in Nakhla: Evidence for subsurface hydrothermal alteration on Mars with implications for astrobiology." *Astrobiology*, 14(8):651-693, DOI: 10.1089/ast.2013.1069.
2. **TSETSEKOU A., BRASINIKA D., VAOU V., CHATZITHEODORIDIS E.**, (2014), "On the synthesis of tailored hydroxyapatite nanoplates through a bioinspired approach in the presence of collagen or chitosan and L-arginine", *Materials Science and Engineering C*, 43:555-565, DOI:10.1016/j.msec.2014.07.011.
3. **GOMOIU I., E. CHATZITHEODORIDIS, S. VADRUCI, I. WALTHER**, (2013), "The Effect of Microgravity on Growth of *Ulocladium chartarum* colonies", *PLoS ONE* 8(4): e62130. doi:10.1371/journal.pone.0062130.
4. **ATHANASIADOU D., A. GODELITSAS, D. SOKARAS, A.-G. KARYDAS, E. DOTSIKA, C. POTAMITIS, M. ZERVOU, S. XANTHOS, E. CHATZITHEODORIDIS, H.-C. GOOIH, U. BECKER**, (2013), "New insights into the chemical and isotopic composition of human-body biominerals. I: Cholesterol gallstones from England and Greece", *Journal of Trace Elements in Medicine and Biology*, vol. 27(2), pp. 79-84.
5. **KOTSIFAKI D.G., M. KANDYLA, I. ZERGIOTI, M. MAKROPOULOU, E. CHATZITHEODORIDIS, A.A. SERAFETINIDES**, (2012), "Optical tweezers with enhanced efficiency based on laser-structured substrates", *Applied Physics Letters*, vol. 101, 011102 (2012); DOI: 10.1063/1.4728992.
6. **LIÇO E., V. RAPA, S. DRUSHKU, E. CHATZITHEODORIDIS**, (2011), "Morphological and chemical study of recycled plastic materials by using scanning electron microscopy and energy dispersive analysis", *ZAŠTITA MATERIJALA (Materials Protection)*, vol. 52, pp. 231-236.
7. **LODINS E., I. ROZENSTRAUHA, L. KRAGE, L. LINDINA, M. DRILLE, V. FILIPENKOV, E. CHATZITHEODORIDIS**, (2011), "Characterization of glass-ceramics microstructure, chemical composition and mechanical properties", *IOP Conf. Series: Materials Science and Engineering*, v. 25, 012015, 10 pages, doi:10.1088/1757-899X/25/1/012015.
8. **GODELITSAS A., N. STAMATELOS-SAMIOS, M. KOKKORIS, E. CHATZITHEODORIDIS**, (2011), "Lead patination in the atmosphere of Athens, Greece", *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, vol. 269, pp. 3074-3076.
9. **DRAKAKI E., M. KANDYLA, E. CHATZITHEODORIDIS, I. ZERGIOTTI, A.A. SERAFETINIDES, A. TERLIXI, E. KOULOUMPI, A. MOUTSATSOU, M. DOULGERIDES, V. KANTARELOU, A. KARYDAS, C. VLACHOU-MOGIRE**, (2010), "Laser studies of metallic artworks", *Applied Physics A (Materials Science & Processing)*, vol. 101(2), pp. 349-355.
10. **ROZENSTRAUHA I., E. LODINS, M. DRILLE, L. KRAGE, V. FILIPENKOV, E. CHATZITHEODORIDIS**, (2009), "Characterization of glass-ceramics containing industrial waste", *Scientific Journal of Riga Technical University, Construction Science*, vol. 10(10), ISSN 1407-7329.
11. **GODELITSAS A., M. KOKKORIS, E. CHATZITHEODORIDIS, P. MISAEIDIS**, (2008), "Spectroscopic characterization of Greek dolomitic marble surface interacted with uranium

- and thorium in aqueous solutions”, in *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, vol. 266(10), pp. 2363-2366.
12. **CHATZITHEODORIDIS E., I.C. LYON, A. GODELITSAS, M. SAMOUCIOS, A. VGENOPOULOS**, (2008), “TOF-SIMS mass spectrometry: Applications in mineralogy, petrology and cosmochemistry”, *Mineral Wealth*, no. 146/2008, pp. 37-48.
 13. **SAXTON J.M., I.C. LYON, E. CHATZITHEODORIDIS, G. TURNER**, (2000), "Oxygen isotopic composition of carbonate in the Nakhla meteorite: implications for the hydrosphere and atmosphere of Mars", *Geochimica et Cosmochimica Acta*, vol. 64, no. 7, pp. 1299-1311.
 14. **KATSARAKIS N, E. CHATZITHEODORIDIS, G. KIRIAKIDIS, M.M. SIGALAS, C.M. SOUKOULIS, W.Y. LEUNG, G. TUTTLE**, (1999), "Laser-machined layer-by-layer metallic photonic band-gap structures", *Applied Physics Letters*, vol. 74, pp. 3263-3265.
 15. **XIROUCHAKI C., K. MOSCHOVIS, E. CHATZITHEODORIDIS, G. KIRIAKIDIS, H. BOYE, P. MORGEN**, (1998), "Structural and chemical characterisation of as-deposited microcrystalline indium oxide films prepared by dc reactive magnetron sputtering", *Journal of Electronic Materials*, vol. 28, no. 1, pp. 26-34.
 16. **XIROUCHAKI C., K. MOSCHOVIS, E. CHATZITHEODORIDIS, G. KIRIAKIDIS, P. MORGEN**, (1998), "Chemical characterisation of as-deposited microcrystalline indium oxide films prepared by reactive dc magnetron sputtering", *Applied Physics A*, vol. 67, pp. 295-301.
 17. **MOSCHOVIS K., E. GAGAOUKAKIS, E. CHATZITHEODORIDIS, G. KIRIAKIDIS, S. MAILIS, E. TZAMALI, N.A. VAINOS, H. FRITZSCHE**, (1998), "Study of the ambient optical recording dynamics on sputtered indium oxide thin films", *Applied Physics A*, vol. 66, pp. 651-654.
 18. **SAXTON J.M., I.C. LYON, E. CHATZITHEODORIDIS, I.K. PERERA, P. VAN LIERDE, P. FREEDMAN, G. TURNER**, (1996), "The Manchester Isolab 54 ion microprobe", *International Journal of Mass Spectrometry and Ion Processes*, vol. 154, pp. 99-131.
 19. **LYON I.C., J.M. SAXTON, P.J. MCKEEVER, E. CHATZITHEODORIDIS, P. VAN LIERDE**, (1995), "Precision and reproducibility of in situ oxygen isotope ratio measurements on quartz obtained using an Isolab 54 ion microprobe", *International Journal of Mass Spectrometry and Ion Processes*, vol. 151, pp. 1-16.

Handbooks, Books, Special publications & Articles

1. **MOHANU I., E. CHATZITHEODORIDIS, O-H. BARBU, G. NICOLESCU, M. GEORGESCU, M. ŞECLĂMAN, S-C. BĂRZOI, A. LUCA, R. ROBAN**, (2010), “Studiul Tehnologic Al Materialerol Constitutive Ale Picturii Murale”, pp. 77-100. In *Corbii de Piatră: studiu interdisciplinar, Dan Mohanu, Ioana Gomoiu, Elias Chatzitheodoridis, Bucureşti, Editura UNARTE*, 2010, ISBN 978-973-1922-98-0.
2. **GOMOIU I., E. CHATZITHEODORIDIS**, (2010), “Biodeteriorarea Si Biodeteriogenii”, pp. 141-168. In *Corbii de Piatră: studiu interdisciplinar, Dan Mohanu, Ioana Gomoiu, Elias Chatzitheodoridis, Bucureşti, Editura UNARTE*, 2010, ISBN 978-973-1922-98-0.
3. **CHATZITHEODORIDIS E.**, (2006), “From Macro to Micro to Nano and ... back again!”, article on microtechnologies and assembly and packaging techniques published in the *Engineering Today* October 2006 Issue No. 28 pp. 35-38 (Publication of the Chamber of Engineers of Malta).
4. **CHATZITHEODORIDIS E., G. KIRIAKIDIS and I. LYON**, (2002), "Chapter 13: Secondary ion mass spectrometry and its application to thin film characterisation", in *Handbook of Thin*

Film Materials, volume 2: Characterisation and Spectroscopy of Thin Films, H.S. Nalwa (editor), pp. 637-683. Academic Press 2002.

5. **CHATZITHEODORIDIS E.**, (1996), "SIMS micro-beam analysis and characterisation technique: Applications in Geological Sciences.", *New technologies and the use of computers in the discovery and the evaluation of mineral deposits*, 23rd January 1996, Athens University, Geology Department, Athens, Greece; Special Publication of the Geology Department, University of Athens, Greece.
6. **KELEPERTSIS A.E. and E. CHATZITHEODORIDIS**, (1989), "Dispersion halos of Mn, Pb, Zn, Ba, Cu, and Na in weathering products of the Vani area, Milos island, Greece, for geochemical exploration of manganese, barite and sulphide deposits.", in *Weathering; its products and deposits, Volume II. Products - Deposits - Geotechnics*, A. Barto-Kyriakidis (Editor), Theophrastus Publications, S.A., vol. II, pp. 579-602.

Publications in Refereed Proceedings of International Conferences

1. **ANTONOPOULOU-ATHERA N., E. CHATZITHEODORIDIS, Z. CHRISTODOULOPOULOS, CH. EVANGELATOS, A.A. SERAFETINIDES, E. ZEKOU**, (2014), "Use of lasers for cleaning of paper documents and coins". In Proceedings of the *6th International Congress "Science and Technology for the Safeguard of Cultural Heritage in the Mediterranean Basin"*, Athens, Greece, 22nd-25th October 2013.
2. **PROFITIS E., D. KAPATOS, E. CHATZITHEODORIDIS, D. XIROUCHAKIS, C. LOUPASAKIS**, (2013), "Digital methods for measuring grain size parameters of aggregate-binder mixtures", in Proceedings of *13th International Conference of the Geological Society of Greece*, September 5-8 2013, Chania, Crete, Greece.
3. **KILIAS S.P., E. CHATZITHEODORIDIS, I. LYON**, (2013), "Morphological and chemical evidence of ferruginous microbialites in the Quaternary Cape Vani (Fe-Ba-)Mn-oxide deposit, Milos, Greece: implications for biomineralogy", in Proceedings of *13th International Conference of the Geological Society of Greece*, September 5-8 2013, Chania, Crete, Greece.
4. **LEONTAKIANAKOS G., I. BAZIOTIS, E. PROFITIS, E. CHATZITHEODORIDIS, S. TSIMAS**, (2013 – *accepted for publication*), "Assessment of the quality of progressive calcination using Raman and X-Ray diffractometry: Application on Thassos Island's marbles", in Proceedings of *13th International Conference of the Geological Society of Greece*, September 5-8 2013, Chania, Crete, Greece.
5. **CHATZITHEODORIDIS E., S. HAIGH, I. LYON**, (2013), "Crystalline clays in an intriguing ovoid structure in Nakhla", *44th Lunar and Planetary Science Conference 2013*, paper 2040. <http://www.lpi.usra.edu/meetings/lpsc2013/>
6. **PROFITIS E.G., E. CHATZITHEODORIDIS, D. XIROUCHAKIS**, (2012), "Digital methods for flakiness and shape index definition", in *ETNDT5, 5th International Conference on Emerging Technologies in Non-Destructive Testing V*, held in Ioannina, Greece, September 19-21, 2011, Paipetis A.S., T.E. Matikas, D.G. Aggelis and D. Van Hemelrijck (eds).
7. **ROZENSTRAUHA I., E. LODINS, L. KRAGE, V. FILIPENKOV, E. CHATZITHEODORIDIS, I. PUTNA, M. BALODE**, (2010), "Functional properties of glass-ceramics for building applications", in *Advanced Construction, Proceedings of the 2nd International Conference*, 11-12 November 2010, Kaunas University of Technology, Lithuania, pp. 141-147, ISSN 2029-1213. (Poster and Paper).

8. **GOMOIU I., HASEGAN D., VADRUCCI S., NOBMAN P., MOGILDEA D., MOGILDEA M., MOGILDEA G., CHATZITHEODORIDIS E.** (2010), "Preparing CFS-A Experiment for Flight Orbit", presented in *Life in Space for Life on Earth*, 13-18 June 2010, Trieste, Italy. *Joint meeting of ESA, ISGP, ISSBB and ELGRA*.
9. **GALANOPOULOU S., A. VGENOPOULOS, N. CONISPOLIATIS, S. KALOUDIS AND E. CHATZITHEODORIDIS**, (2008), "An investigation of organic contaminants and their spatial distribution in the surface sediments of Keratsini harbour with the use of Geographic Information Systems", *HAICTA 2008, 4th International Conference on Information & Communication Technologies in Bio & Earth Sciences*, September 18-20, 2008, Athens, Greece, in *Proceedings* pp. 144-149.
10. **GAMALETOS P., GODELITSAS A., CHATZITHEODORIDIS E. AND KOSTOPOULOS D.**, (2007), "Laser M-Raman Investigation of Greek Bauxites from the Parnassos-Ghiona Active Mining Area", *Bulletin of the Geological Society of Greece vol. XXXVII, 2007*, *Proceedings of the 11th International Congress*, Athens, Greece, May, 2007.
11. **BOUDI D., PROPHITIS E., ZACHARIADIS P., KOSTOPOULOS D., BALATZIS E. AND CHATZITHEODORIDIS E.**, (2007), "Petrology, geochemistry and geotectonic setting of the Titaros ophiolite and associated Pelagonian basement rocks in the area NW of mt. Olympos, Greece", *Bulletin of the Geological Society of Greece vol. XXXVII, 2007*, *Proceedings of the 11th International Congress*, Athens, Greece, May, 2007.
12. **POPOVIC G., A. ALMANSA, D. PETROVIC, E. CHATZITHEODORIDIS, F. SÜMECZ, H. DETTER, O. DEL MEDICO, W. BRENNER**: "Handling and Assembly of Microcomponents"; Talk: *SMT/HYBRID/PACKAGING 2002*, Nürnberg, Deutschland; 06-18-2002 - 06-20-2002; in: "*System Integration in Micro Electronics*", H. Reichl (ed.); VDE Verlag, Berlin (2002), ISBN: 3-8007-2712-9; pp. 127 - 144.
13. **PETROVIC D., G. POPOVIC G., E. CHATZITHEODORIDIS, O. DEL MEDICO, A. ALMANSA, W. BRENNER, H. DETTER**, (2002), "Gripping Tools for Handling and Assembly of Microcomponents", *23rd International Conference on Microelectronics*, Niš, Yugoslavia, 12-15 May 2002. In: "*23rd International Conference on Microelectronics*", Eigenverlag, Vol. 1 (2002), ISBN: 0-7803-7235-2; pp. 247 - 250.
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Multimedia Books & Courses

1. **TRANSTEC IST European Project**, see <http://www-ttec.rs.uni-siegen.de>
I have contributed to the development and publishing of an Internet Course on Applied Microtechnologies. My support was on Software development; Publishing and Project management issues (see <http://www-ttec.rs.uni-siegen.de/rootcollection/start/contributors.htm>). A book with a CD-ROM accompanies this Internet Course with the following details: "Applied Microtechnology: LIGA - Laser- Micro Precision Engineering", R. Brück, N. Rizvi, A. Schmidt (Editors), 284 pages, 166 pictures, Tables, CD-ROM. Published in April 2001 by Hanser Verlag, ISBN 3-446-21471-2.
2. **"Introduction to Microtechnologies"** - Technical University of Vienna
Teaching notes with more than 100 pages, full with up-to-date information, figures and pictures in a modern design, for the course "Introduction to Microtechnologies", which took place for a semester at the Technical University of Vienna.

Abstracts, Oral Presentations & Posters

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