Curriculum Vitae– CV

1. Name: **Asta**
2. Surname: **GUOBIENĖ**
3. Work address: Institute of Materials Science of KTU, Baršausko St. 59, LT-51423 Kaunas
4. Phones number: +370 37 313432, mobile +370 698 44866
5. E-mail: asta.guobiene@ktu.lt

6. Higher education

Institution:	Graduation year	Speciality:
Vilnius university	1984	physicist, teacher
Kaunas university of technology	2005	Ph.D. degree in Physic science (02P)

7. Work experience

Date (from–to)	Institution:	Occupation:
1984 – 1992	KRMTMTI (Kaunas radio measurement technical science experiment institute)	Engineer
1992 – 1994	Microelectronics Science Centre of Semiconductors „Mikrolira“	Engineer
1994 - 2010	Institute of Physical Electronics of Kaunas University of Technology	Enginner, Senior enginner, Researcher, Senior researcher
2001 – 2005	Kaunas University of Technology	Physic science PhD Student
2006 - 2013	Kaunas University of Technology International Centre of Studies	Associate Professor
2010 year till now	Institute of Materials Science of Kaunas University of Technology	Senior researcher

8. Main research areas:
Micro and nano relief formation technology processes (nanosphere lithography, hot embossing. UV hardening and nanoimprint lithography), plasmonic nanocomposite and carbon nanostructures and nanocomposite formation, physical phenomenon analysis and research: atomic force microscopy (AFM), spectrophotometric measurement UV, VIS, IR range, dielectric film thickness and optical constant measurement with laser ellipsemeter, He-Ne laser difractometer, wetting angle measurement.

9. Project activity

Date	Programme, projects
2004-2007	EU Framework 6 project: COOP-CT-2004-5112667 "Nanoimprint lithography for novel 2 and 3 dimensional nanostructures" (3D NANOPRINT), **project researcher.**
2007-2009	LVMSF financed priority Lithuanian science research and experimental development heading project "Nanostructure terahertz photonic components" (NanoComponents) (Together with Semiconductor physics institute), **project researcher.**
2008-2011	COST MP0604 project “Optical Micro-Manipulation by Nonlinear Nanophotonics”, **project researcher.**
2011-2012	LMT financed science initiation prepared project “Novel optical component creation and evaluation in modified biologically harmonized polymers” (Biona), **project researcher.**
2013-2015	Global grant project funded by Research Council of Lithuania „Plasmonic nanostructures for solar cells with decreased spectrum losses (NIRSOLIS)“, **project researcher.**
2010-2015	United laser, novel material, electronics and nanotechnologies also applied

	science and technologies national complex programme (NKP) project: „ Materials science, nano and light technologies and higher education studies infrastructure creation (LaMeTech infrastructure)“ (Project code: VP2-1.1-ŠMM-04-V-02-002) – KTU part project manager and „I and II level studies modernization in material science, nano- and light technologies direction (LaMeTech studies)“ (Project code: Nr. VP1-2.2-ŠMM-09-V-01-005) – **KTU coordinator partner.**

10. Other important information (*Revealing the existing competencies, qualification rising, supervising PhD students, supervising dissertation defence council, attending dissertation defence council as a member)*

Date	Programme, projects
2007-09-21	GIEDRĖS NENARTAVIČIENĖS (VU) physics science area, chemistry science direction doctoral dissertation “**Investigation of substitution effects in different superconductors”** opponent
2009-01-22	SONATOS TOLVAIŠIENĖS (VGTU) Physical Sciences, Physics (02P), doctoral dissertation “**Transport of charge carriers in ultrathin films of manganese oxides”** opponent
2013-09-18	AIDO ALEKNAVIČIAUS (VU) Technology sciences, material engineering (08 T) doctoral dissertation “**Investigation of composite laser active elements with thin doped layers”** dissertation defence council member

11. Student‘s book chapters

Vilys, Jonas Steponas; Tamulevičius, Sigitas; Grigaliūnas, Viktoras; Meškinis, Šarūnas; Guobienė, Asta. Paviršiaus inžinerija ir nanotechnologijos : mokomoji knyga / Kauno technologijos universitetas. Kaunas : Vitae litera, 2007. 225 p. ISBN 9789955686330.
Guobienė, Asta; Andrulevičius, Mindaugas; Tamulevičius, Sigitas; Tamulevičius, Tomas; Tamulevičienė, Asta; Prosyčevas, Igoris; Navickas, Edvinas. Medžiagų mokslas : laboratoriniai darbai : mokomoji knyga. Kaunas : Dakra, 2013. 130 p. ISBN 9786094520211.

12. Scientific activity (five key publications)

Jarašiūnas, K.; Aleksiejūnas, R.; Malinauskas, T.; Gudelis, V.; Tamulevičius, Tomas; Tamulevičius, Sigitas; Guobienė, Asta; Usikov, A.; Dmitriev, V.; Gerritsen, H.J.. Implementation of diffractive optical element in four-wave mixing scheme for ex situ characterization of hydride vapor phase epitaxy-grown GaN layers // Review of scientific instruments / American Institute of Physics. Melville: AIP Publishing. ISSN 0034-6748. 2007, vol. 78, iss. 3, Article 033901, p. 1-5. [Science Citation Index Expanded (Web of Science); Academic Search Premier]. [IF: 1,384; AIF: 1,650; IF/AIF: 0,839; ; 2007 Journal Citation Reports® Science Edition (Thomson Reuters, 2017)].
Puišo, Judita; Prosyčevas, Igoris; Guobienė, Asta; Tamulevičius, Sigitas. Plasmonic properties of silver in polymer // Materials Science and Engineering B: Advanced Functional Solid-state Materials. Lausanne: Elsevier Science S.A. ISSN 0921-5107. 2008, Vol. 149, no. 3, p. 230-236. [ISI Web of Science; COMPENDEX; INSPEC; Science Direct]. [IF: 1,577; AIF: 2,148; IF/AIF: 0,734; ; 2008 Journal Citation Reports® Science Edition (Thomson Reuters, 2017)].
Lazauskas, Algirdas; Grigaliūnas, Viktoras; Guobienė, Asta; Andrulevičius, Mindaugas; Baltrušaitis, Jonas. Atomic force microscopy and X-ray photoelectron spectroscopy evaluation of adhesion and nanostructure of thin Cr // Thin Solid Films. Lausanne: Elsevier Science. ISSN 0040-6090. 2012, Vol. 520, iss. 19, p. 6328-6333. [Science Citation Index Expanded (Web of Science); Science Direct]. [IF: 1,604; AIF: 2,807; IF/AIF: 0,571; Q2; 2012 Journal Citation Reports® Science Edition (Thomson Reuters, 2017)].
Varnaitė-Žuravliova, Sandra; Jankauskaitė, Virginija; Guobienė, Asta; Prosyčevas, Igoris. Investigation of optical and morphological properties of metalized nanocomposites // Applied surface science. Amsterdam: Elsevier. ISSN 0169-4332. 2014, Vol. 317, p. 639-647. [Science Citation Index Expanded (Web of Science)]. [IF: 2,711; AIF: 3,431; IF/AIF: 0,790; Q1; 2014 Journal Citation Reports® Science Edition (Thomson Reuters, 2017)].
Janušas, Giedrius; Ponelytė, Sigita; Brunius, Alfredas; Guobienė, Asta; Vilkauskas, Andrius; Palevičius, Arvydas. Influence of PZT coating thickness and electrical pole alignment on microresonator properties //

Sensors. Basel: MDPI AG. ISSN 1424-8220. 2016, vol. 16, iss. 11, article 1893, p. [1-9]. [Science Citation Index Expanded (Web of Science); Academic Search Complete; Medline]. [IF: 2,033; AIF: 3,032; IF/AIF: 0,671; Q1; 2015 Journal Citation Reports® Science Edition (Thomson Reuters, 2017)].

13. Reviewer for the following institutions and journals

Lithuanian Academy of Sciences, Elsevier journals, IOP Science journals, Materials Science (Medziagotyra) journal

14. Languages (*Mark* 5 *„Perfect“to* 1 *„Bad“*)

Lithuanian (native language)

Language	Reading	Speaking	Writing
English	4	3	3
Russian	5	4	4

10th January 2017  Asta Guobienė