Academic Personnel Short Profile / Short CV

University:	Cyprus University of Technology
Surname:	Choulis
Name:	Stelios
Rank/Position:	Professor
Faculty:	Engineering and Technology
Department:	Mechanical Engineering and Material Science and Engineering
Scientific Domain: *	Materials Science and Engineering

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Bachelor of Science (BSc) Degree in Physics.	1995	University of Patras	Physics	
Master of Science in Medical Physics (MSc)	1996	University of Surrey	Physics	Investigations of the Limits of detectability for in vivo Positron Emission Tomography (PET) studies with a new high sensitivity tomograph
PhD	2002	University of Surrey	Advanced Technology Institute	Investigation of GaInNAs/GaAs quantum wells and vertical-cavity surface emitting laser structures using modulated reflectance spectroscopy

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			

2006	2008	Konarka Technologies	Germany	Group Leader
2004	2006	Osram Opto-Semiconductors Inc	USA	Device Engineer
2002	2004	Imperial College London	UK	Post-doctoral Researcher

Key *refereed* journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2019	Enhanced photovoltaic performance of perovskite solar cells by Co-doped spinel nickel cobaltite hole transporting layer	Ioakeimidis, A., Papadas, I.T., Tsikritzis, D., Armatas, G.S., Kennou, S., Choulis, S.A.*	Journal: APL Materials	7	021101
2	2019	Antimony doped tin oxide/polyethylenimine electron selective contact for reliable and light soaking-free high performance inverted organic solar cells	E. Georgiou, I. Papadas, I. Antoniou, M. Oszajca, B. Hartmeier, M. Rossier, N. Luechinger, S. A. Choulis*	Journal: APL Materials	7	091103
3	2018	Long Thermal Stability of Inverted Perovskite Photovoltaics Incorporating Fullerene-Based Diffusion Blocking Layer	Galatopoulos, F., Papadas, I.T., Armatas, G.S., Choulis, S.A*.	Journal: Advanced Materials Interfaces	5	1800280
4	2018	Employing surfactant-assisted hydrothermal synthesis to control CuGaO2 nanoparticle formation and improved carrier selectivity of perovskite solar cells	Papadas, I.T., Savva, A., Ioakeimidis, A., Eleftheriou, P., Armatas, G.S., Choulis, S.A*	*Journal: Materials Today Energy*,	8	57-64

5	2018	Low-Temperature Combustion Synthesis of a Spinel NiCoO4 Hole Transport Layer for Perovskite Photovoltaics	Papadas, I.T., Ioakeimidis, A., Armatas, G.S., Choulis, S.A*	Journal: Advance Science	5	1701029
6	2014	Investigating electrodes degradation in organic photovoltaics through reverse engineering under accelerated humidity lifetime conditions	Drakonakis, V.M., Savva, A., Kokonou, M., Choulis, S.A*	Journal: *Solar Energy Materials and Solar Cells*	130	544-550
7	2009	Thermal degradation mechanisms of PEDOT:PSS, (2009)	Vitoratos, E., Sakkopoulos, S., Dalas, E., Paliatsas, N., Karageorgopoulos, D., Petraki, F., Kennou, S., Choulis, S.A	*Journal: Organic Electronic*,	10	61-66
8	2008	Printing highly efficient organic solar cells,	Hoth, C.N., Schilinsky, P., Choulis, S.A.*, Brabec, C.J	Journal: Nano Letters	8	2806-2813
9	2006	Interface modification to improve hole-injection properties in organic electronic devices (.	Choulis, S.A.*, Choong, V.-E., Patwardhan, A., Mathai, M.K., So, F.,	Journal: *Advanced Functional Materials*,	16	1075-1080
10	2006	Strong regioregularity effect in self-organizing conjugated polymer films and high efficiency polythiophene:fullerene solar cells	Kim, Y., Cook, S., Tuladhar, S.M., Choulis, S.A., Nelson, J., Durrant, J.R., Bradley, D.D.C., Giles, M., McCulloch, I., Ha, C.-S., Ree, M. A	Journal: Nature Materials	5	197-203

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	28-3-2017	PLASMAS Project LOPEC exhibition	International	Munich	Partner of PLASMAS Project

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	**Date**	**Title**	**Funded by**	**Project Role***
1	2020-2023	RoLA-FLEX	European Union Horizon Project	Partner
2	2018-2022	NANOSONICS	Research Promotion Foundation	Partner
3	2015-2020	Solution-Processed Next Generation Photovoltaics	European Research Council (ERC) Horizon	Principal Investigator
4	2013-2017	PLASMAS	European Union FP7 Project	Partner
5	2013-2015	OREA	Erasmus LLP OREA, European Union Project	Partner
6	2010-2015	Molecular Electronics and Photonics	Research Promotion Foundation	Coordinator
7	2010-2013	Hybrid Electroluminescent Devices Based on Combinations of Light-Emitting Polymers and III-Nitride Semiconductors	Research Promotion Foundation	Partner
8	2009-2011	Hybrid Optoelectronic Devices	Internal Cyprus University of Technology funding	Partner
9	2009-2011	Optimisation of Inkjet-Printed Organic Solar Cells	Internal Cyprus University of Technology funding	Partner
10	2008-2010	Industrial PhD student funding	IKERLAN Spain	Coordinator

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	**Period**	**Organization**	**Title of Position or Service**	**Key Activities**
1	2012-2015	Programme Committee, FP7 framework Programme, 2012–2015	Cyprus representative in the 'Nanotechnologies, Advanced materials, Biotechnology, Advanced manufacturing and processing' (NMBP) Programme Committee,	National NMPB expert
2	June-2013	4 th International Conference on Renewably Energy Sources and Energy Efficiency	SCIENTIFIC COMMITTEE	Advisory
3	2013	Fifth North America-Greece-Cyprus Workshop on Paramagnetic Materials	SCIENTIFIC COMMITTEE	Advisory
4	2012	Molecular Electronics and Photonics Workshop	Organizer	Main organizer of the event with the assistance of my research team.
5	2010-2012	Modern technology of Organic Electronics and its Applications (OREA)	Organizing Committee	The Summer Schools were funded by the European Community Erasmus Intensive FP7 Program (my role was to be a partner on this activity) and were devoted to the modern technology of Organic

		Summer Schools.		Electronics and its Applications (OREA).

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	**Date**	**Title**	**Awarded by:**
1	2014	Principal Investigator- ERC consolidator grand 2014	European Research Council (ERC)
2	2011	The Erasmus IP (Co-PI) “Introduction to Organic Electronics & Applications (OREA)” was awarded as the best IP organized in 2010-2011.	Hellenic State Scholarships
3	2003	Award for an excellent poster of ECOER 2003 (The European Conference on Organic electronics and Related Phenomena).	Awarded by ECOER
4	2000	Prize for an excellent paper by young researchers (S. Choulis) of HPSP9 (Ninth International Conference on High Pressure Semiconductor Physics), Sapporo, Japan.	Awarded by HPSP9

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	**Date**	**Title**	**Key Activities:**
1	2008-present	External Research Funding at Cyprus University of Technology.	Secure ~5 Million Euros from External funding agencies (EU & RPF) to Cyprus University of Technology.
2	2010-present	Foundation of the Molecular Electronics and Photonics Research Group.	Founder and Head of the Molecular Electronics and Photonics Research Group.
3	2011-present	One of my diploma students (Iordania Constantinou) and one of my PDRAs (Dr Solon	Professional Development of Researchers.

		Economopoulos) have secured Junior Professor and Associate Professor positions in Germany and Norway respectively.	
4	2008-2018	All my former (4) CUT based PhD students (Dr Georgiou, Dr Hermerschmidt, Dr Savva, Dr Neophytou) that have already awarded PhD from CUT under my supervision they are working as full time Post-doc Researcher Associates (PDRAs) abroad and in Cyprus.	Professional Development of PhD students
5	2016-2020	4 current CUT based PhD students which hold an MSc degree (Pozov, Ioakeimidis, Galatopoulos, Antoniou) are performing PhD projects at CUT under my supervision.	Professional development of MSc students
6	2014-2016	2 of my former CUT PDRAs (Dr Vassilis Drakonakis and Dr Ignasi Burgués-Ceballos) proceed to industrial activities (One funded his own company in Cyprus and the other join Merck Chemicals (UK)	Professional Development of Post-doc Researcher Associates (PDRAs).
7	2008	The paper in Nano-letters (number 8 within the above list) was included as a research Highlight in Nature.	Scientific impact
8	2006	The paper in Nature materials (number 10 above) is one of the most cited papers in the field of Material Science	Scientific impact
9	2005-present	During my carrier ten patent families developed (Over 30 patent applications in total within EU, USA, Asian and World patents) under my name.	Development of IPs
10	2000-present	Prof Stelios Choulis has authored and co-authored over 100 referred journal publications. His work has been cited over 10000 with h-index=40.	Impact of Publications