

Agreement No. 2015/0014/2DP/2.1.1.2.0/14/APIA/VIAA/010

**„Promotion of International cooperation at
the Institute of Solid State Physics,
University of Latvia”**

RESULTS OF THE PROJECT 1st activity

**Project applications prepared under European Union (EU) Research and
Innovation Support Programs**

**1.1. ISSP UL as project coordinator of EU Research and Innovation
Support Program**

No	Type, name of the program, submission deadline to EU	Name of the project	Project developers from ISSP UL
1.	H2020 WIDESPREAD-2014-1 17.09.2014	„The Excellence Centre of Advanced Material Research and Technology Transfer” (CAMART-2)	A. Šternbergs, M. Rutkis, A. Šarakovskis
2.	EUROfusion WP2015 CfP-WP15-ENR-01 15.07.2014.	When and how ODS particles are formed?	J. Purāns, J. Kotomins, A. Krūmiņš
3.	Era Net Rus Plus 1 st selection round 25.09.2014.	Computer modelling of nanostructured photocatalyst for efficient hydrogen production from water. (WATERSPLIT)	J. Žukovskis, S. Piskunovs
4.	Era Net Rus Plus 2 nd selection round 28.04.2015.	Computer modelling of nanostructured photocatalyst for efficient hydrogen production from water. (WATERSPLIT)	J. Žukovskis
5.	H2020-SC5-2015 1 st selection round 22.04.2015	„Public Traffic Units as Air Pollution Fighters and Mouthpieces Directly on Streets”(PollFight)	J. Kleperis

1.2. ISSP UL as project partner to EU Research and Innovation Support Program and individual ERC projects.

Nr	Type, name of the program, submission deadline to EU	Name of the project	Project developers from ISSP UL
6.	H2020 – FETOPEN-2014; 30.09.2014	Advanced Tomographic Imaging by X-rays (AtomiX)	J. Purāns, L. Grīnberga
7.	M-ERA-NET 1st selection round; 16.09.2014	Metrology at the Nanoscale with Diamonds (MYND)	L. Skuja, A. Truhins
8.	Era Net Rus Plus 1 st selection round; 25.09.2014	Phtalocianyne nano-carbon hybrid films for the detection of hazardous components of diesel engine exhaust gases (MPCNANOSENS)	L. Trinklere, B. Bērziņa
9.	H2020-MSCA-ITN-2015 13.01.2015	Organic electronic conductivity training innovation network (OECTIN)	M. Rutkis
10.	ERC Starting Grant 2015; 03.02. 2015	Design of nanoparticles with tunable nanotoxicity (TUNABLENANOTOX)	J. Butikova
11..	FLAG-ERA- JTC 2015; 27.01. 2015	Computational modelling and experimental characterization of Graphene InterConnects: devices and systems (Graph-IC)	S. Piskunovs, J. Šuņins
12.	M-ERA-.NET 2nd selection round; 18.02. 2015.	Metrology at the Nanoscale with Diamonds (MYND)	L. Skuja
13.	H2020-FETOPEN2014-2015-RIA; 31.03.2015	Large Area Solid State Batteries (New architecture for Li/Na batteries) (LASTBATT)	G. Bajārs
14.	H2020-TWINN-2015; 28.04.2015.	Theoretical modelling and experimental characterization Composite NANomaterials (CONAN)	S. Piskunovs, J. Šuņins
15.	M-ERA-NET 1st selection round 09.06. 2015	Innovative nano-material and architectures for integrated piezoelectric energy harvesting applications	J. Kotomins, A. Gopejenko
16.	M-ERA- NET 1st selection round 09.06. 2015	High Efficiency Transparent Conductive Oxide Films used for flexible organic solar cells and optoelectronic applications	J. Purāns, A. Āzens
17.	ERC Starting Grant 2016; 17.11.2015.	Development of the non-etching photoresist on diazobenzene amino acids base (ERCGERCFI)	A.Gerbreders

18.	ERC Starting Grant 2016; 17.11.2015.	Design and investigation of continuous-wave solid state organic laser (DICOL)	A.Vembris
19.	ERC Starting Grant 2016; 17.11.2015.	Reduction/cancellation of the effects of vitreous floaters in an artificial eye using the phase contrast methods (VITFLOAT)	V.Karitāns
20.	ERC Starting Grant 2016; 17.11.2015.	Seasonal changes of light and environment: physical characteristics and the impact on human eye physiology and perception (SEASONVISION)	S.Fomins
21.	ERC Starting Grant 2016; 17.11.2015.	Study of negative thermal expansion mechanisms by ab initio molecular dynamics (NTE-AIMD)	D.Bočarovs
22.	M-ERA-NET 2 nd selection round; 10.11.2015.	Innovative nano-materials and architectures for integrated piezoelectric energy harvesting applications (HarvEnPiez)	J.Kotomins Ē.Klotiņš
23.	M-ERA-NET 2 nd selection round; 10.11.2015.	High efficiency Transparent Conductive Oxide (TCO) Films used for flexible organic solar cells and optoelectronic applications	J.Purāns A.Āzens

SUPPORTED PROJECTS, RECEIVING FUNDING OR GET TO THE NEXT SELECTION ROUND AND ARE IN RED

2nd activity

Participation in scientific conferences organized by EU Research and Innovation Programs with report or poster

No	Name, place and time of the conference	Participants from ISSP UL
1.	17 th International Conference on Transport Science - ICTS 2015, Portoroz, Slovenia, 21-22 May 2015	M.Ozoliņš
2.	European Technical School on Hydrogen and Fuel Cells 2015, Heraklion, Greece, 22-26 June 2015	I.Dimanta J.Dimants

3rd activity

Participation in information days or partnership exchanges organized under the EU Research and Innovation program.

No	Name, place and time of the information day	Participants from ISSP UL
1.	Energy Information Day, Brussels, September 14-15.	J.Kleperis

6th activity

Participation in International scientific conference EuroNanoForum 2015, Riga, June 10 -12

35 ISSP UL researchers participated in EuroNanoForum 2015 – largest European event on Nanotechnologies.