



LABORATOIRE
PROCÉDÉS, MATÉRIAUX
et ENERGIE SOLAIRE
UPR 8521 du CNRS,
conventionnée avec
l'université de Perpignan
PROCESSES, MATERIALS
and SOLAR ENERGY
LABORATORY



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Odeillo, June 9th, 2017

To whom it may concern

I hereby certify that Alexandru PASCU and Elena Manuela STANCIU from Transilvania University of Brasov (Romania) were welcomed to work at PROMES-CNRS laboratory located in Odeillo (FRANCE), in the framework of the Access SFERA II European project (Grant Agreement N° 312643) funded under the FP7.

Their research work was performed in the framework of the CERASOL project (full title: $\text{Al}_2\text{O}_3/\text{TiO}_2$ CLADDING IN PRE-PLACED POWDER GEOMETRY USING CONCENTRATED SOLAR RADIATION) jointly with Iosif HULKA, team member from the Politehnica University of Timisoara (ROMANIA).

They have stayed here for two weeks from May 29th, 2017 to June 9th, 2017.

The estimated cost for this user-project was 10281.38€, which includes:

- 3070.24€ for the travel and accommodation of Alexandru Pascu and Elena Manuela Stanciu,
- 1522.62 € for the travel and accommodation of Iosif Hulka, and
- 5688.52€ for two weeks of the Transnational access to CNRS-PROMES "Medium Size Solar Furnaces" (unit estimated costs per facility).

Yours sincerely,

Anastasiya Badziaka
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P1601260159 CC-PFSM	Contact Cleaning of Polymer Film Solar mirrors	Christopher Sansom	United Kingdom	Cranfield University	PTTL
P1602070219 4CSP	Investigation on soiling of tracked solar collectors	Anna Heimsath	Germany	Fraunhofer Institute for Solar Energy Systems	PTTL
P1601260158 EVDPTCM	Experimental validation of a Modelica-based dynamic parabolic trough collector model	Sylvain Quolin	Belgium	University of Liege	PTTL
P1512020150 VABRASOLAR	Vacuum brazing of stainless steels and copper using the solar radiation as energy source	Mihai Alexandru Luca	Romania	Transilvania University of Brasov	VSF
P1602050206 RUSE-HT	Research on using solar energy to heat treatment of steels surface	Maria Stoicanescu	Romania	Transilvania University of Brasov	VSF
P1602060214 TECMEA	Test and coupled CFD/thermal-mechanical analyses of robust tubular solar receivers working with air	Roberto Zanino	Italy	Politecnico di Torino	HSF
P1602050195 RPC-SA	Study of reticulated porous ceramic for potential volumetric solar absorber receivers	Fernando Oliveira	Portugal	LNEG I.P	HSF
P1602050197 SoFTiN	Solar furnace: preparation of Ti-TiN composites by in situ sintering of Ti in nitrogen atmosphere.	Jaroslav Kovacik	Slovakia	Institute of Materials and Machine Mechanics SAS	HSF
P1601290176 SOLSINTNTC	Solar sintering studies on cobalt manganite based semiconducting ceramics for electronic temperature sensors type NTC thermistors	Irina Apostol	Romania	S.C. IPEE AMIRAL TRADING IMPEX S.A.	HSF
P1602050194 CarbiSol-2016	Anti-wear carbide-based coatings using concentrated solar energy-2016	Pandora Psyllaki	Greece	Piraeus University of Applied Sciences	HSF
P1602070221 CERASTIR	Performance improvement by heat treatment in solar furnace of ceramic reinforced aluminium alloy fabricated by friction stir processing	Milena Folea	Romania	Transilvania University of Brasov	HSF
P1601270161 WAIsoL	Welding of Aluminium Alloys for Marine Applications using Concentrated Solar Energy	Dimitris Pantelis	Greece	National Technical University of Athens (N.T.U.A.)	HSF
CNRS_PROMES					
P1602010181 Bright-TEM00-Laser	Breakthrough in TEM00 solar laser efficiency in PROMES-CNRS	Dawei Liang	Portugal	Universidade Nova de Lisboa	MSSFsS
P1601290177 SPVDNANOTEG	Preparation by Solar Physical Vapor Deposition of Thermoelectric Nanophases	Irina Apostol	Romania	S.C. IPEE AMIRAL TRADING IMPEX S.A.	MSSFsS
P1602050193 CSP-TPS SHIELD	Testing of Shields for Concentrating Solar Tower Receivers and Space Thermal Protection	Jorge Barcena	Spain	Tecnalia Research and Innovation	MSSFsS
P1602070220 NEOCOMPOSOL	NEw Optically-selective and durable nanoCOMposite ceramic POWders for SOLar CSPApplications	Fabrizio Maseri	Belgium	Materia Nova Research Center (MN)	MSSFsS
P1512200152 RESOL-WEAR	Researches regarding the influence of the heat treatments with solar energy over the wear resistant steels properties	Ioan Milosan	Romania	Transilvania University of Brasov	MSSFsS
P1602060215 SCINT	Synthesis of ZnO:Gd and ZnO:Ir nanophases for dosimetric and scintillator ceramics	Krisjanis Smits	Latvia	Institute of Solid State Physics, University of Latvia	MSSFsS
P1602030188 EFFECF	Eco eFFicient mElting of Ceramic Frits	Aurora López Delgado	Spain	National Centre for Metallurgical Research. CSIC	MSSFsS
P1601300180 TERMOINCORENE	Study of Variation of the Mechanical Properties of Superalloys Inconel 718 and Rene 41 under Thermal Shock	Daniel Anghel	Romania	University of Pitesti	MSSFsS
P1601070153 REGAS-MW	Behaviour of neutral reactive gaseous species upon heating of solid materials in microwave plasma	Alenka Vesel	Slovenia	Jozef Stefan Institute	MSSFsS
P1602060212 CERASOL	Al2O3/TiO2 Cladding in Pre-Placed Powder Geometry using Concentrated Solar Radiation	Alexandru Pascu	Romania	Transilvania University of Brasov	MSSFsS
P1601270162 TiSol	Welding of pure Titanium and Titanium Alloys using Concentrated Solar Energy	Dimitris Pantelis	Greece	National Technical University of Athens (N.T.U.A.)	MSSFsS
P1602040191 SOL4COAT	Improvement of MDF cements properties through metallic oxide coating using solar energy	Liana Sanda Baltes	Romania	Transilvania University of Brasov	MSSFsS
P1601270160 SCHMO	Standardized characterization with different methodologies and orientations of parabolic trough collectors	Fabienne Sallaberry	Spain	CENER	MINITHROUGH
PSI-STL					
P1601210154 SOLTECOL	Study of combined photovoltaic cell/thermoelectric element/solar collector in medium and highly concentrated light	Daniel Cotfas	Romania	Transilvania University of Brasov	HFSS
ENEA-SOLTERM					
P1602070218 ALLOYMSR	Corrosion improvement of FeCrAl alloys designed for Molten Salt Reactors	Alexandru Pascu	Romania	Transilvania University of Brasov	MOSE
UAL-CIESOL					
P1602020186 SOLFEN-7	Solar Foto-Fenton at Neutral pH	Francesco Parrino	Italy	University of Palermo	CIESOL
P1602050203 PERPeNaTiLESo	Photoelectrocatalytic removal of pesticides on nanostructured TiO2 photoanodes using LED and solar light of variable light intensity	Josef Krysa	Czech Republic	University of Chemistry and Technology Prague.	CIESOL

P1601290169 RUSOLCAT	Solar photochemical activity of water soluble ruthenium complexes	Jóó Ferenc	Hungary	University of Debrecen	CIESOL
P1601290178 MEETINROOM	Model parameter estimation for the control of thermal comfort	Antonio Visioli	Italy	University of Brescia	CIESOL

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