

ADUNARE GENERALĂ A CLUSTERULUI ELINCLUS

Activități întreprinse în perioada 2017-2018

Dr. Ing. Bogdan Mihăilescu
Manager executiv cluster ELINCLUS

AGENDA

- Participări la evenimente – cronologic –
- Propuneri de proiect
- Proiecte în derulare
- Noi membri
- Activități strategice de dezvoltare a clusterului

ELINCLUS: *EL*ectronic *IN*ovation *CL*uster

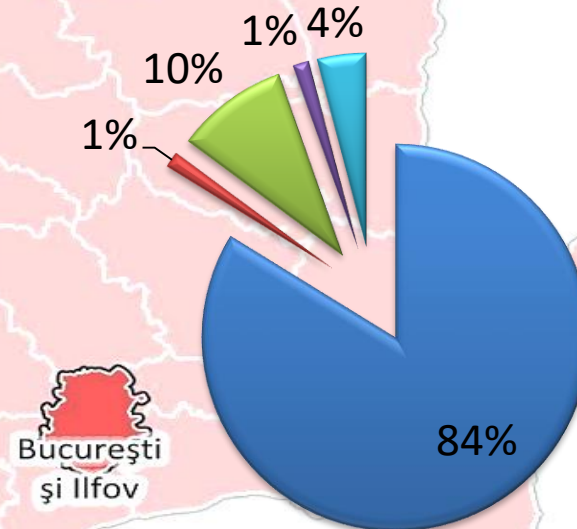
IUNIE 2018

Members

74 Members:

Firms (SMEs): 62
**Universities: 1 / 3 research
departments from UPB**
Research institutes: 5
Public Authorities: 1
ONG: 3

- Firms
- Universities
- Research institutes
- Public authorities
- ONG/Catalysts



București
și Ilfov

ELINCLUS: *EL*ectronic *IN*ovation *CL*uster

IUNIE 2018

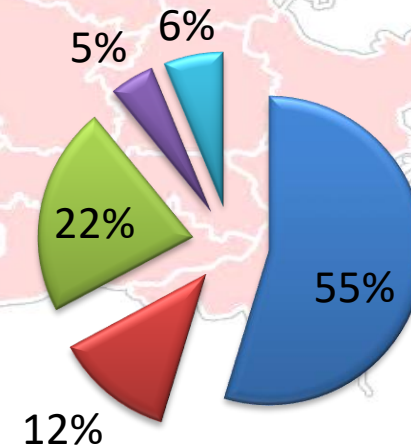
74 Members:

Firms (SMEs): 62

**Distributia pe categorii de
membrii**

- Electronica (Dezvoltare produse)
- IT & C
- Servicii suport
- Furnizori
- Consultanta

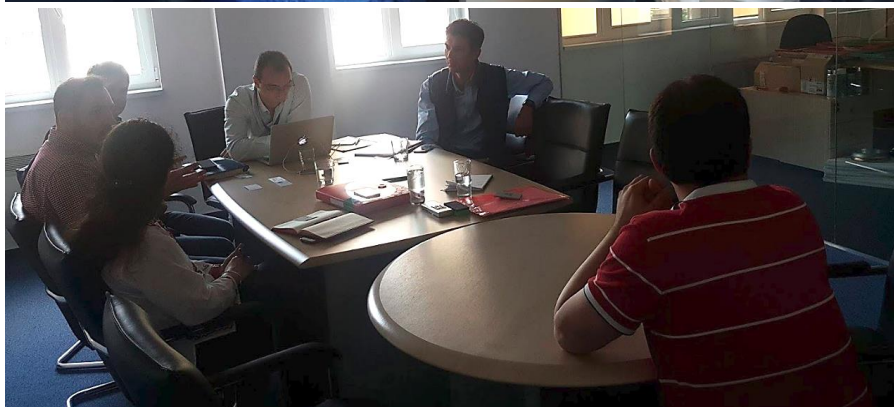
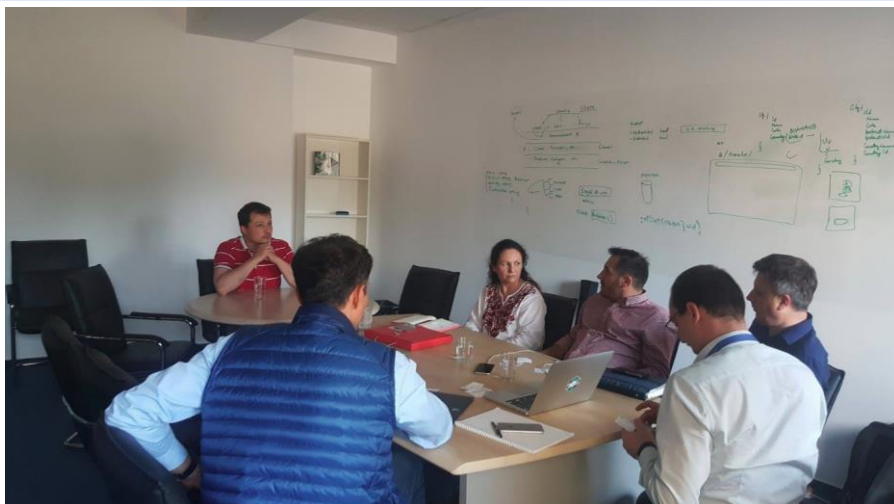
București
și Ilfov



Cuprins

- **Participări la evenimente – cronologic –**
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- Acorduri de parteneriat
- Noi membri
- Activități strategice de dezvoltare a clusterului

2017.05: Întâlnire **WORKGROUP** Electronică și IT



Discuții privind colaborare între firmele membre ELINCLUS.

Firmă	Nume și prenume reprezentant
AXIPlus	Iulian Busu
APTE	Cristina Lepădatu
Soft Tehnica	Iulian Popescu
SunCommunication	Dragoș Soare
Tensor	Cristina Oprea
NetSun Software	Mihai Nămoșanu

2017.05.09: Green Energy Cluster - Networking

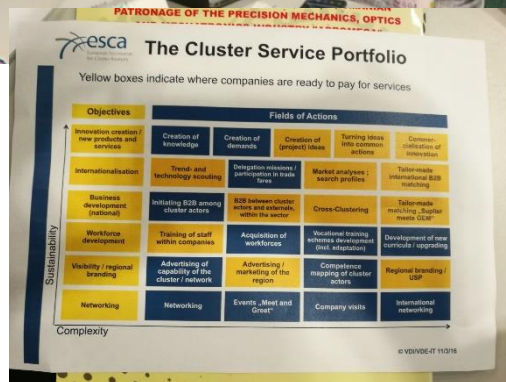
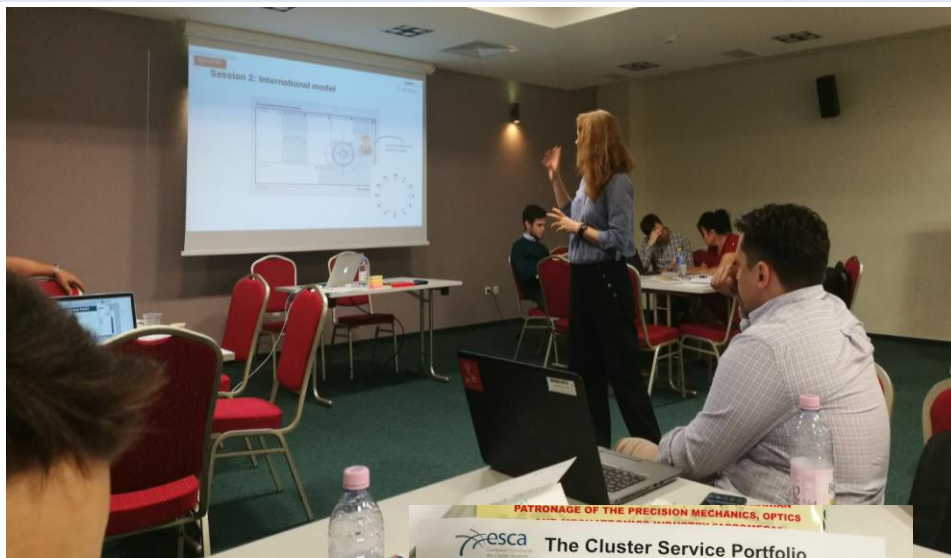


Networking și schimb de idei: **Potențialul de cercetare-inovare în sectorul biomasei**

Prezentare ELINCLUS –
Prof. Paul Svasta -
Influenta electronicii in
inovare

2017.05.10-11 - Innovation Norway Cluster Training Sesiunea 3

Clusters Managers Training Program



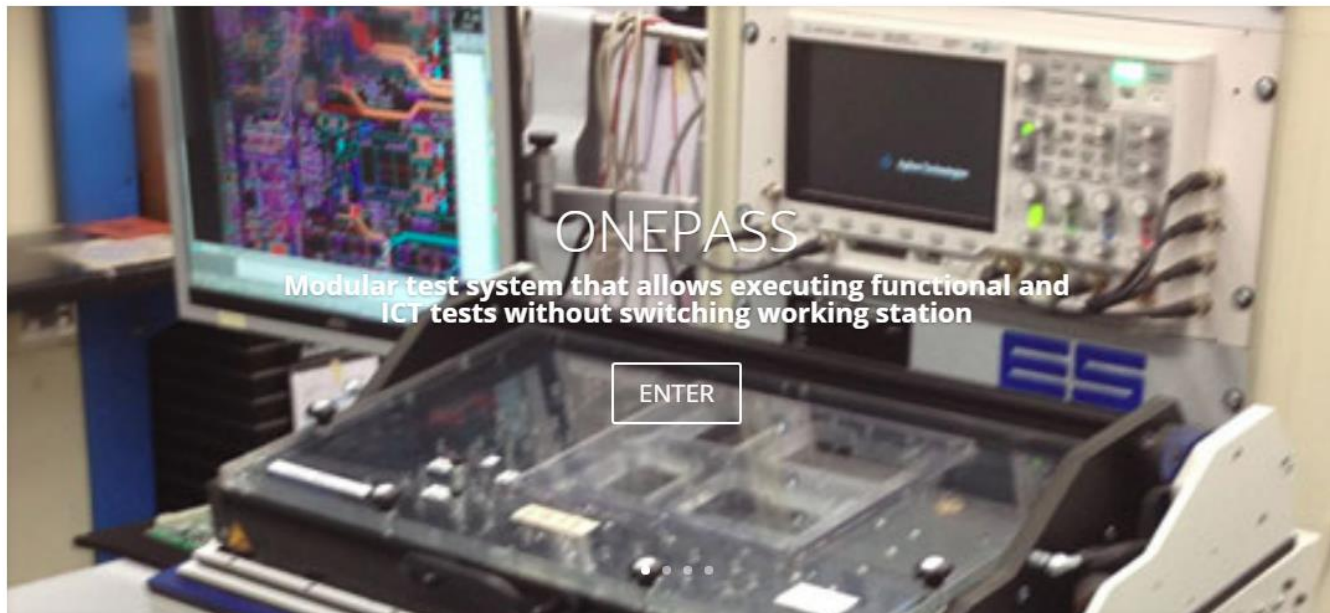
2017.05.25 – OnePass Day – Electronic Solutions



Your Solution and Partner for Testing

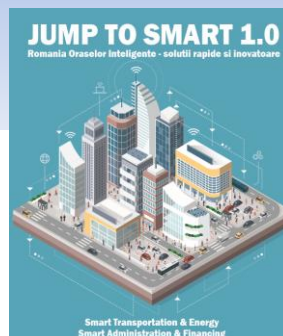
Participare la workshopul
OnePass Day organizat de firma
Electronic Solutions (Italia)

DAY PROGRAM 25th May 2017: 1st Edition ONEPASS DAY ROMANIA



Adunarea Generală a Clusterului ELINCLUS

2017.06.12 - JUMP TO SMART 1.0 – Conferință + Expozitie



2017.06.15 – IT&C Brokerage Event - NETIO



Proiectul NETIO are ca scop crearea unui **cadru de colaborare efektivă** între specialiștii din Universitatea Politehnica din București și întreprinderi (IMM, start-ups, spin-off) și **accelerarea transferului de cunoștințe din mediul academic către industrie** pentru **dezvoltarea de produse și servicii inovative din sfera Internet of Things și a orașelor inteligente**, având drept consecință directă creșterea capacității de cercetare, dezvoltare și inovare a întreprinderilor.




Activități de tip B

- **Activitățile de tip B** oferă întreprinderilor accesul la instalațiile și echipamentele de cercetare ale UPB în scopul realizării de experimente și testări necesare dezvoltării unor produse sau tehnologii noi cerute de piață.
- **Acces la infrastructură/ laboratoare/ echipamente CD: Cluster HPC**
- **Acces la infrastructură/ laboratoare/ echipamente CD: Cluster ELINCLUS**

2017.07.03-04 – Workshop Green Industries Norvegia – partecipare Prof. Paul SVASTA



ACADEMIA ROMÂNĂ
INSTITUTUL DE PROGNOZĂ ECONOMICĂ



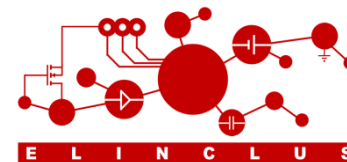
**JOINT PARTNERSHIPS IN RESEARCH AND INNOVATION FOCUSED ON
TRIPLE HELIX MODEL – GREEN INDUSTRIES**
Programme Operator – Bilateral Relations Fund Call

A fost sustinuta prezentarea: SMART Innovation through electronics
ELINCLUS Cluster

2017.07.03-04 – Passive Components Networking Days - Paul Svasta



APTE



TIE 2016



Adunarea Generală a Clusterului ELINCLUS

SIITME

2017 IEEE 23rd INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME)
Conference and Exhibition
26-29 of October 2017, Constanța, România



26.10.2017 – Participare la Industrial Workshop “Advanced Interconnection and Disruptive Technologies, Debate for the Future Sustainable Electronics Packaging”, seminar organizat în cadrul conferinței SIITME 2017-IEEE 23rd International Symposium for Design and Technology in Electronic Packaging.



Keynote speaker:

Prof. Dr.-Ing. habil. Dr. H. C. Mult. Klaus-Jürgen Wolter
Technische Universität Dresden, Germany

e-mail: wolter@avt.et.tu-dresden.de

Presentation:
“Automotive Electronics Packaging Trends”



Keynote speaker:

Joseph FJELSTAD
CEO Founder
Verdant Electronics
Seattle, Washington, USA
e-mail: joe@verdantelectronics.com

Presentation:
“Rigid Flex Circuits: A Technological Overview”



Keynote speaker:

Jose Sartori
Sales Director
OSRAM Opto Semiconductors
e-mail: JoseGuilherme.Sartori@osram-os.com

Presentation:
“Trending and Future Applications in Opto-Semiconductors”



Keynote speaker:

Dipl. Ing. Stefan Techau
ASM Assembly Systems GmbH & Co. KG
e-mail: stefan.techau@asmpt.com

Presentation:
“The necessary technological environment for competitive manufacturing”



SIITME 2017 - Expoziție



SIITME 2017 - Expoziție

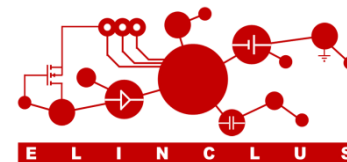


2017.11.22-23 - Conferința Națională a Clusterelor + Brokerage Event



Adunarea Generală a Clusterului ELINCLUS

APTE

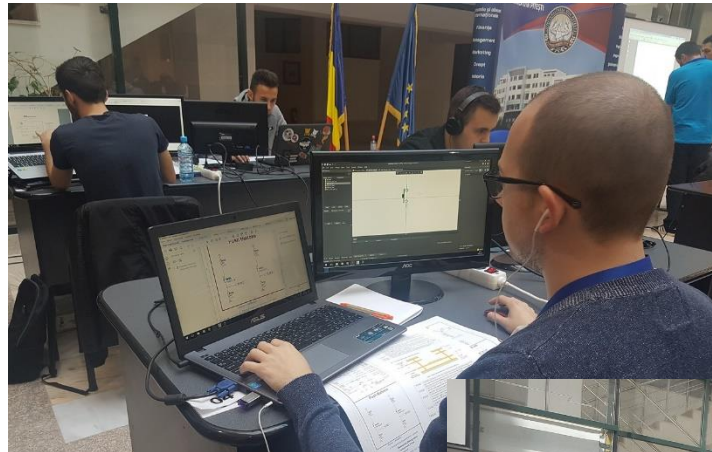
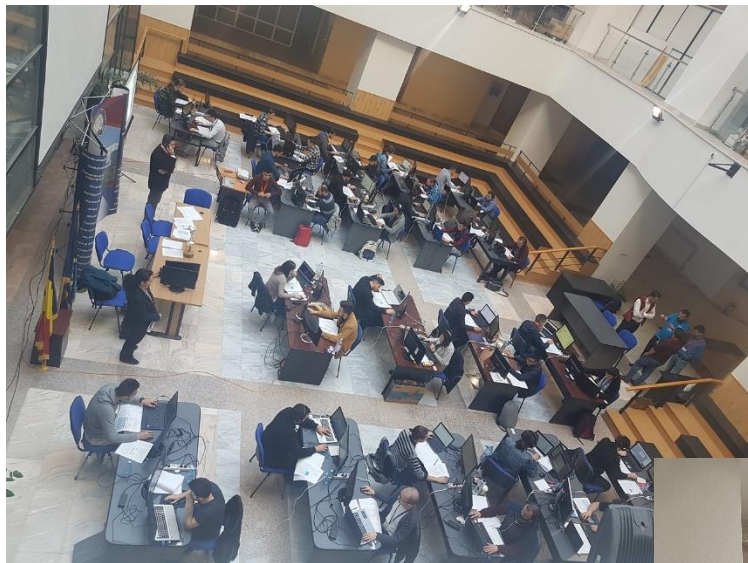


2018.04.18-21 – TIE 2018 Professional Contest Workshop for “Strategic partnership for education”



Adunarea Generală a Clusterului ELINCLUS

2018.04.18-21 – TIE 2018 Professional Contest TIE plus and TIE contest



Adunarea Generală a Clusterului ELINCLUS

2018.04.18-21 – TIE 2018 Professional Contest Expozitie



2018.04.18-21 – Colaborare UPB – CETTI – ELINCLUS

Practica 2018

Companii ELINCLUS ce au oferit locuri de practica pe platforma unica a Facultatii de Electronica

SOFTTEHNICA
GIGAELECTRONIC
RADIO Consult
SUNCOMMUNICATION
LUMPED Elements

Cuprins

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- Acorduri de parteneriat
- Noi membri
- Activități strategice de dezvoltare a clusterului

Propuneri de proiect (1)

- Partener (APTE/ELINCLUS si CETTI) în propunerea de proiect cu acronimul **CO-DANUBE** – “**Development of Value Network for Advanced Manufacturing to Enhance Transnational Cooperation and Innovation Environment in the Danube region**”, program INTERREG Danube Transnational Programme Apelul 2.
- Partener (APTE/ELINCLUS si CETTI) în propunerea de proiect cu acronimul **DIGITAL DANUBE** – “**Big Data in the Danube Region**”, program INTERREG Danube Transnational Programme Apelul 2.

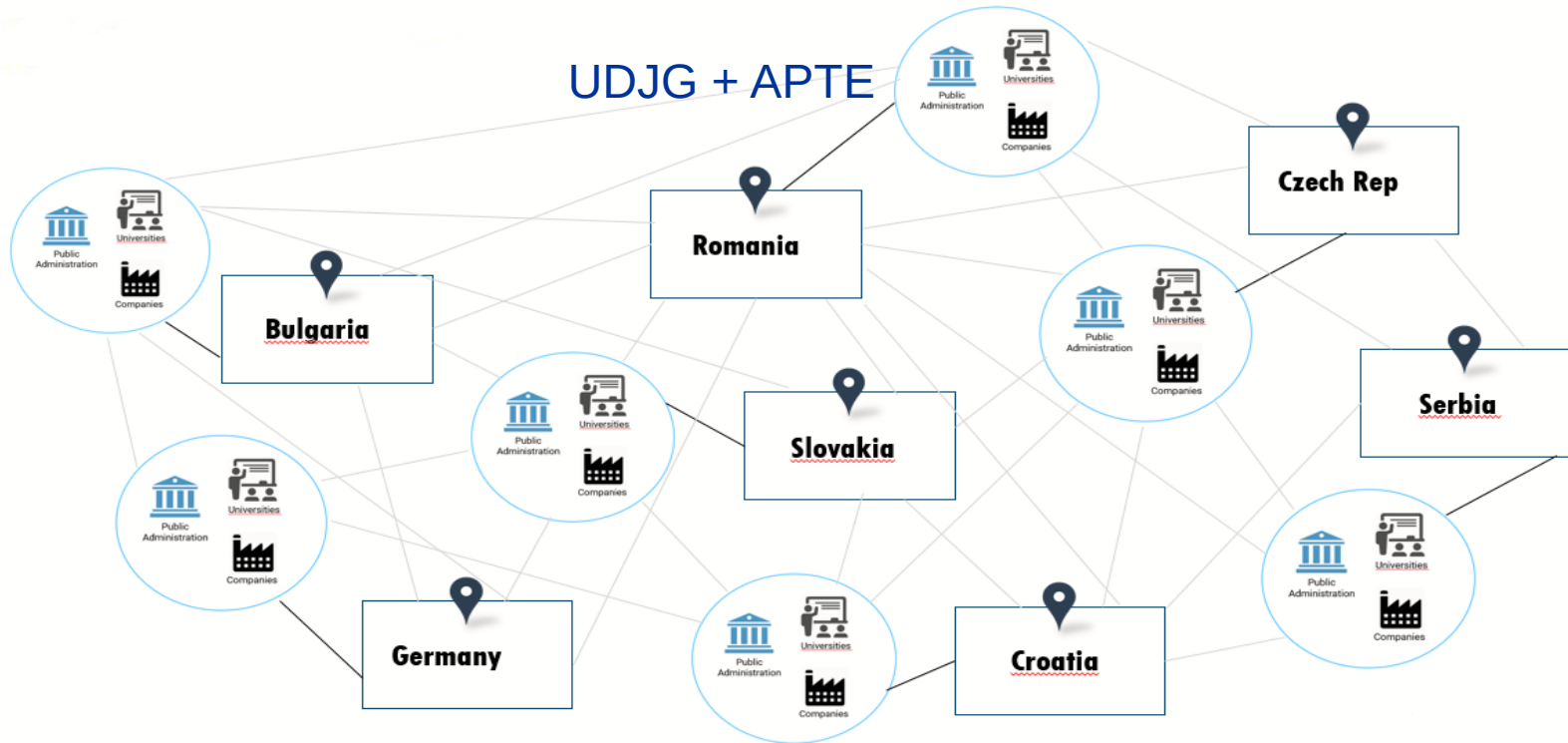
Propuneri de proiect (2)

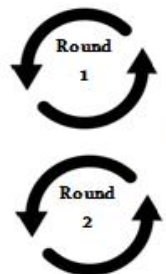
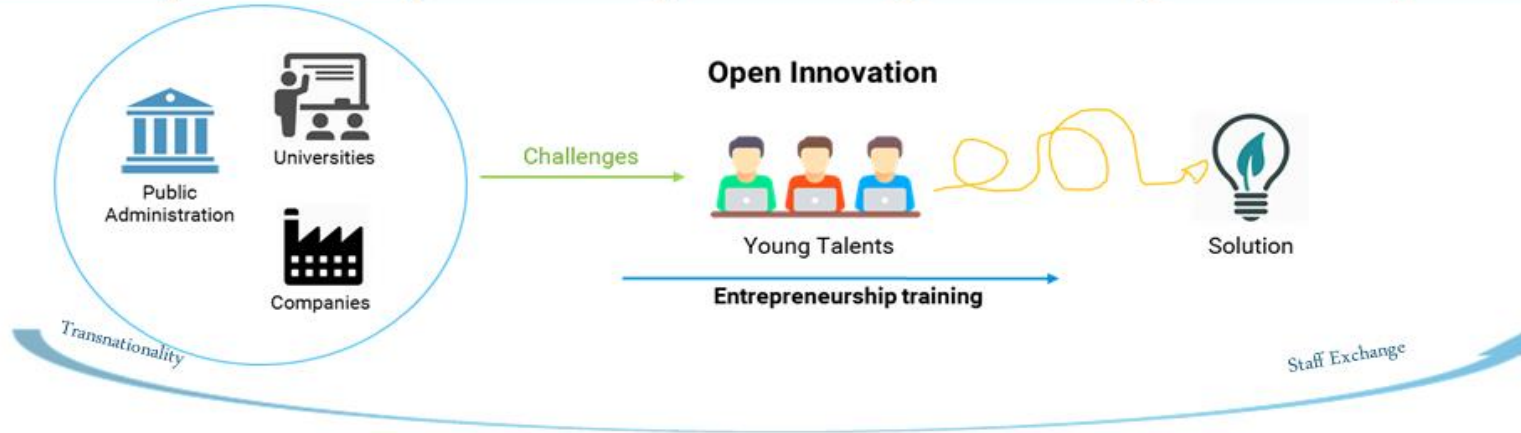
- Beneficiar APTE/ELINCLUS – propunerea de proiect PNCDI III - Programul 2 - Subprogramul 2.1 Organizare și dezvoltare cluster – Cluster inovativ cu titlul **“Structură Managerială pentru un Ambient Robust, Tehnologic și Inovativ”** acronim SMARTI.

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DA-SPACE- Open Innovation Ecosystem

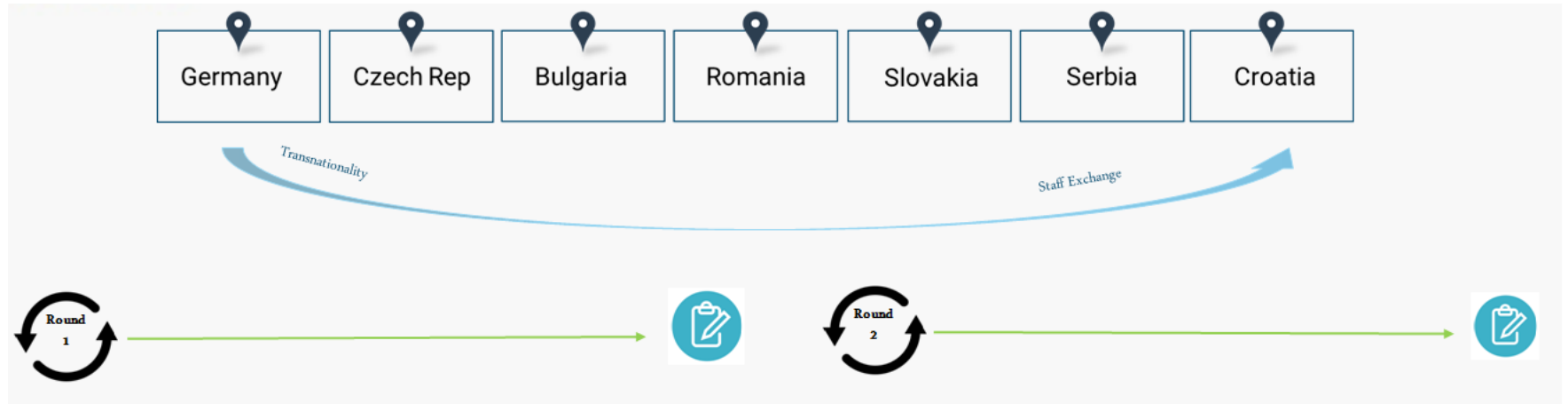




Call for students + Challenges

5 months + Final Demo Day





Cuprins

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- **Noi membri**
- Activități strategice de dezvoltare a clusterului

Noi membri ai cluster-ului ELINCLUS

Nr.	Nume companie	Data depunere adeziune
1	DIGITAL TELECOMMS SRL	03.03.2017
2	Asociația TANDEM	18.10.2017

Noi membri ai cluster-ului ELINCLUS : 1. DIGITAL TELECOMS (<http://www.digital-telecomms.com/>)

The screenshot displays the Digital Telecomms website interface. At the top, there's a navigation bar with links: Acasa, Soluții, Produse, Servicii, Suport & Download, Despre Noi, and Contact. A search bar is also present. The main banner features the text 'Wireless Infrastructure Improve Your Mobile Networks Solutions for remote radios and cell sites' with a 'Find more...' link. Below the banner, there are three main sections: 'Stiri' (News & Highlights) with a 'NEWS & HIGHLIGHTS' banner, 'Produse speciale' (Special Products) featuring a 'WBH- Cutie FO de perete de capacitate mare pentru max. 144 FO' (WBH - Wall terminal box for max. 144 FO), and 'Abonare la Newsletter' (Newsletter Subscription) with a list of benefits and an email sign-up form. The footer contains a detailed list of services and products under various categories like SOLUTII, PRODUSE, SERVICII, SUPPORT & DOWNLOAD, DESPRE NOI, and CONTACT.

Digital Telecomms este o companie producătoare de componente optice pasive de înaltă performanță și de soluții de distribuție și conectare pentru rețele de fibră optică.

Noi membri ai cluster-ului ELINCLUS : 2. Asociatia TANDEM (www.asociatiatandem.ro)



Proiectul *Tandem Access* își propune implementarea unui model de navigare și orientare în interiorul stațiilor de metrou destinat utilizatorilor cu deficiențe de vedere. Acest model conține o rețea de 1500 iBeaconi instalați în interiorul stațiilor care vor comunica cu telefonul mobil prin intermediul conexiunii Bluetooth, oferind utilizatorului, prin intermediul unei aplicații, notificări conținând informații descriptive care îl vor ajuta la orientarea către și de la platformele și intrările sistemului de metrou. Platforma va fi capabilă să recunoască direcția de mișcare a utilizatorului în funcție de ordinea beaconilor cu care interacționează dispozitivul mobil și, de asemenea, într-o intersecție, îl va putea notifica asupra tuturor destinațiilor posibile și a direcției de urmat pentru a le atinge.

În acest fel, București va deveni prima capitală europeană cu un sistem de accesibilizare a metroului ce folosește noile tehnologii. Odată funcțional, sistemul va putea fi replicat în alte spații publice de interior (gări, aeroporturi etc.), acolo unde localizarea GPS nu este posibilă.

Proiectul este sprijinit de Fundația Orange, în cadrul programului anual de finanțare „Lumea prin culoare și sunet”, ediția 2016.



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De la 05 Iunie 2018 Proiect PN III Cluster Inovativ - **SMARTI**

Proiectul SMARTI este realizat cu scopul de a consolida și dezvolta un mediu inovativ și competitiv pentru o piață concurențială.

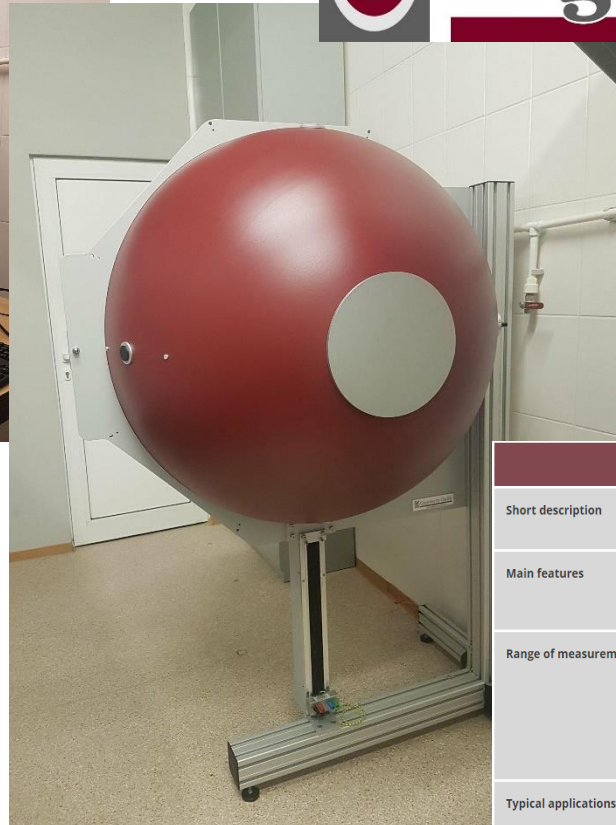
Obiectivul general: creșterea capacității de inovare și a competitivității membrilor clusterului ELINCLUS.

De la 05 IUNIE 2018 Proiect PN III Cluster Inovativ - **SMARTI**

Obiective specifice:

- Crearea de Workinggroup-uri pe tematicile de interes ale membrilor cluster-ului precum:
 - Workgroup Electronica si IT
 - Workgroup Formarea Resurse Umane Specializate
 - Workgroup tehnologii inovative – disruptive (de ex. OCCAM)
- Stimularea colaborarii membrilor cluster-ului prin intocmirea matricei de competente si identificarea de domenii comune.
- Promovarea sustinerii formarii resurselor umane necesare companiilor implicate in inovare high-tech.
- Dezvoltarea bazei tehnologice a clusterului pentru a asigura firmelor inovative un cadru suport pentru dezvoltare.

Echipamente noi disponibile membrilor cluster-ului (1)



Gigahertz-Optik

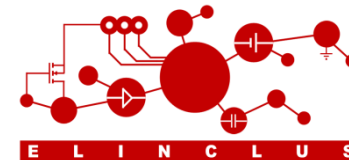
General	
Short description	Integrating sphere source with hemispherical illuminated field and up to three switchable color temperatures of the illumination.
Main features	Integrating sphere source with the facility to position the test device in the sphere center. Three halogen lamps each with three filter wheel-mounted correction filters. Individual adjustment of luminance and color temperature for each lamp. Quick change of color temperature.
Range of measurement	Integrating sphere: 50 cm diameter Dome: 70 mm in diameter Test device size: max. 20 mm diameter Luminance: tba Color temperatures: tba Electronic unit: Three lamp power supplies, optometer, system controller, interfaces for remote control (RS232, USB, Ethernet)
Typical applications	Uniformity and white balance of super-wide angle and fisheye cameras.
Calibration	Spectral radiance, luminance and color temperature with calibration certificate.

Echipamente noi disponibile membrilor cluster-ului (2)



Standard configuration	DEK NeoHorizon 01iX	DEK NeoHorizon 03iX
Machine alignment capability	± 12.5 µm @ 2.0 Cmk (6 sigma)	± 12.5 µm @ 2.0 Cmk (6 sigma)
Machine alignment accuracy	± 15 µm @ 2.0 Cmk (± 6 sigma)	± 20 µm @ 2.0 Cmk (± 6 sigma)
Process alignment accuracy	± 20 µm @ 2.0 Cpk (6 sigma) [#]	± 25 µm @ 2.0 Cpk (6 sigma) [#]
Standard cycle time	6.5 seconds + process	8 seconds + process
Maximum printing surface	510 mm (X) × 508,5 mm (Y)	
User interface	Touchscreen, keyboard and trackball, DEK Instinctiv V9 software	
Camera	DEK HawkEye 1700 digital camera with 2-way LED illumination	DEK HawkEye 750 digital camera with 2-way LED illumination
Squeegee adjustment	Motorized with squeegee pressure feedback	
Stencil loading	Automatic, incl. squeegee drip catcher	Semi-automatic, incl. squeegee drip catcher
Stencil alignment	Motorized (actuators); aligned on X- and Y-axis and rotation	Motorized (actuators); aligned in X- and Y-axis and rotation
DEK ProFlow	Optional	
Understencil Cleaning	DEK Cyclone 300 mm/400 mm/515 mm	DEK IUSC 300 mm/400 mm/520 mm
Technical documentation	Printed documents: User manual, installation instructions, circuit diagrams. Technical instructions and videos that explain all operating steps are preinstalled.	
Compressed air supply	5-8 bar at ~5 litres/minute	
Power supply	100 Volts to 240 Volts ±10 %. Single phase 50/60 Hz	
Weight	Approx. 690 kg depending on selected options	

APTE



SIITME

2017 Edition - Previous Editions - Contact



Authors' area

Call for Papers - SIITME 2017

The organising committee of SIITME 2017 kindly invites you to submit an abstract/paper to the 2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME). The scientific event will take place in Constanta, Romania on October 28th-29th, 2017.

Conference Committees

Conference Registration

Exhibition Registration

Submission of abstracts/papers

Authors are invited to submit an abstract/paper to SIITME 2017 using the conference management system powered by Microsoft's Academic Conference Management Service. SIITME is an IEEE Conference. Papers meeting quality criteria are indexed IEEE Xplore Digital Library and Thomson-Reuters ISI-CPCI.

Author Login

POSTER Requirements

July 1, 2017

Submission of abstracts (SIITME 2017)



PARTNERS



MINISTERUL EDUCATIEI NATIONALE
14 CHIAJARI 10011000
e-Minister



26 – 29 Octombrie 2017
Constanța, ROMANIA

11.06.2018

Re-Certificare SILVER Label – Octombrie 2018

Quality audit: Silver Label of the European Cluster Excellence Initiative (ECEI)

The quality labelling system consists of three levels – Bronze, Silver and Gold. While the Bronze label is not a quality label in the narrow sense, it just demonstrates that a cluster management is interested in improving its management performance, the Gold label is a quality label based on very high standards of cluster management practice. Cluster management organisations that do not meet the Gold standards yet, but are interested in demonstrating both to their cluster and potential partners that they are on the path towards cluster management excellence can subject themselves to a Silver label audit.

The Silver Label of the European Cluster Excellence Initiative is a quality label in its own right. The Silver Label quality confirms the successful implementation of improvement processes that were initiated following a Bronze label benchmarking. Organisations that are able to demonstrate improvements in the course of an audit conducted by an assessor of the European Cluster Excellence Initiative will be awarded with the Silver Label.

The Silver Label audit is based on four steps:

1. Cluster organisations subject themselves to a second Bronze Label benchmarking after 1.5 to 2 years of the first benchmarking and
2. Indicate three areas with regard to the quality indicators of the European Cluster Excellence Initiative in which they have improved. For this purpose ESCA will provide a form. Each area of improvement has to be described in a meaningful manner. The cluster organisation is expected to describe how each of the selected improvements effected the overall development of the cluster.
3. The audit will then be continued by an on-site visit by an auditor to validate the indicated areas of improvement. The [criteria of the Gold Label of the European Cluster Excellence Initiative](#) relevant to the identified areas of improvement will be used as a validation benchmark. In this context it will be also checked whether the cluster organisation meets the minimum requirements of the "Cluster Management Excellence Label GOLD". These requirements are described the document "*European Cluster Excellence Baseline - Minimum Requirements for Cluster Organisations*", which you can [download here](#). If a cluster organisation does not meet one of these criteria the Silver Label cannot be awarded.
4. The auditor will produce a report that details the results and includes a recommendation for the award. The eventual decision on whether the award will be given to the cluster organisation is taken by the "[Silver Label Expert Group](#)".

Please [contact ESCA](#) for application and any further information.

The list includes 101 clusters from 18 countries.



Pre-Evaluare GOLD Label – Octombrie 2019

Quality audit: Gold Label of the European Cluster Excellence Initiative (ECEI)



The "Cluster Management Excellence Label GOLD - Proven for Cluster Excellence" of the European Cluster Excellence Initiative acknowledges cluster organisations that demonstrate highly sophisticated cluster management and that are committed to further improve their organisational structures and routines for the benefit of an even higher performance.

In order to qualify for the "Cluster Management Excellence Label GOLD" cluster management organisations need to meet certain "levels of excellence" in terms of structure of the cluster, governance, financing, strategy and services and recognition. In the course of a two-day thorough assessment conducted by two neutral cluster analysis experts 31 indicators are assessed. The assessment scheme was developed by the European Cluster Excellence Initiative (ECEI) (www.cluster-excellence.eu), which - being initiated by the European Commission - gathered 13 organisations from nine European countries, all well experienced in the field of cluster management and cluster policy.

The objective of the scheme is not only to identify the best cluster management organisations in Europe, but also support the cluster management organisations with advice in the course of the assessment on how to further improve.

The list includes 96 clusters from 18 countries.

Vă mulțumesc pentru atenție!

ELINCLUS ELectronic INnovation CLUSter

EMC: APTE Asociação for Promoting Electronic Technology

Președinte: Prof. Dr.h.c. , Dr. Eng. Paul Svasta

Phone: +4021-3169633

+4021-4024650

Fax: +4021-4103118

Manager executiv: Bogdan Mihailescu

E-mail: bogdan.mihailescu@elinclus.ro

Web page: www.elinclus.ro