Welcome to the Digital EIT ICT Labs Summer Edition Newsletter... read, watch, and listen... on-line, off-line, on iPad...

Get a summary of the latest stories, events and activities of our community – EIT ICT Labs.

This “trial” edition is available in PDF version as well as in a multi-media version on iPad – giving readers a full-screen experience of photos, videos, and presentations of information. The interactive version won’t be limited to static pictures to illustrate the text. You can flip through the newsletter simply by sliding a finger on the screen. Digital version of newsletter brings content to life in ways the printed page never could!

We will continue developing the newsletter with relation to layout and content AND we would like to hear from you! What do you want to read about? What could be further improved? Did something NOT WORK when downloading? Get back to us with Your ideas on info@ictlabs.eu

Happy Reading and Have a great Summer!

EIT ICT Labs
Marketing & Communication Team

PS. REMEMBER to check the UPCOMING EVENTS & NEWS on www.eit.ictlabs.eu
ITALIAN NODE INAUGURATION

On April 18th Italian Node of EIT ICT Labs officially inaugurated its Co-Location Centre (a hub) and spoke for EIT ICT LABS activities in Italy. Italian Node was proud to share its enthusiasm with the numerous guests participating at the inauguration event.

Opening: Massimo Egidi - FBK, President; Lorenzo Dellai - Autonomous Province of Trento, President; Davide Bassi - University of Trento, Rector; Willem Jonker - EIT ICT Labs, CEO
The Inauguration day was officially opened by the Willem Jonker - CEO of the EIT ICT Labs, Lorenzo Dellai - President of the Autonomous Province of Trento, Massimo Egidi - President of the FBK, and Davide Bassi - Rector of the University of Trento.

The official opening of the day was followed by the “Lectio Magistralis” given by prof. Wolfgang Wahlster on the theme “Industry 4.0: Towards the Fourth Industrial Revolution Based on ICT”. High-level representatives from Italian institutions and from industry participated in the round table “Innovation strategies for Italy”. In the afternoon session key persons from the EIT ICT Labs and from the EIT participated in the round table discussion “Making it happen”. During the Inauguration event guests and visitors had the opportunity of visiting the premises of the Italian Node and to take a look at demos resulting from the activities of the Italian partners relevant to the ICT Labs areas.

The Co-location Centre is based in Povo, in the outskirt of Trento, and clusters its core Partners Engineering, Telecom Italia and Trento RISE. It connects with its affiliated partners Alma Mater Studiorum - University of Bologna, National Research Council (CNR), Centro Ricerche Fiat (CRF), Politecnico of Milan, Politecnico of Turin, Istituto Superiore Sant’Anna - Pisa, and STMicroelectronics.

Interactive wall at the Trento Co-Location Centre ...

People joining the Italian Node at its inauguration have been met by a wavy wall in the colors of EIT ICT Labs with a graphic showing the Europe map and a whirlwind with the landmarks that represent Paris, Eindhoven, Berlin, Stockholm and Trento (notice the order following NATO rules, as in telecommunications access codes...).

You touch on one landmark of the node and a video clip with the interview to the node director is shown. Move further on and you are met with the logos of the Italian Node partners and by touching one you get a clip on a second screen presenting that partner and its commitment to the ICT LABS initiative.
logos of the Italian Node partners and by touching one you get a clip on a second screen presenting that partner and its commitment to the EIT ICT Labs initiative.

One step more and you see iconic representations of all of the action lines of the EIT ICT Labs. Touch on one and a video clip is shown on a third screen.

Why are we telling you this? Because it is nice!... but most important because we need your continuous help in keeping these clips up to date. If, as most our readers, you are involved in an activity send us some clips on what is going one, what is being achieved, how people involved feel about it and, most important, what the potential users think about your results.

On our side we promise to polish a bit the material and return it to you. It is a win-win proposition, isn't it?

› INTEGRATED RESEARCH AGENDA CYBER-PHYSICAL SYSTEMS - CLOSING EVENT

The event took place on April 12th at the Co-Location Centre in Berlin. Cyber-Physical Systems (CPS) are a new class of engineered systems whose core functionality intrinsically relies on a tight coupling of physical and computational processes. By connecting software-intensive embedded systems that are part of devices, cars, airplanes, or buildings, for instance, to services and information systems available in digital global networks, the virtual and the real world become ever more integrated. CPS have the potential of revolutionizing classical industrial domains, such as mobility, energy, and automation, by opening a whole range of new areas of innovation and novel business platforms.

Within the ‘agendaCPS’ project, the German National Academy of Science and Engineering 'acatech' has developed an "Integrated Research Agenda Cyber-Physical Systems", the first comprehensive study in Europe on the economic and societal implications of this disruptive technology.

In a joint event with EIT ICT Labs, acatech presented the agendaCPS study at the Berlin Co-Location Centre of EIT ICT Labs on April 12, 2012 to Georg Schütte, State Secretary at the German Federal Ministry of Education and Research, Henning Kagermann, President of acatech, Willem Jonker, CEO of EIT ICT Labs, and the agendaCPS project lead Manfred Broy of TU Munich.
Schütte, State Secretary at the German Federal Ministry of Education and Research, and an audience of some 90 representatives from research, industry, and politics.

Henning Kagermann, President of acatech, and the agenda CPS project lead Manfred Broy of TU Munich, discussed the results with high-profile national and international experts, including Martin Curley, Director Intel Labs Europe, Janos Sztipanovits, Vanderbilt University (USA), and Wolfgang Wahlster, German Research Center for Artificial Intelligence (DFKI).

In his presentation, Willem Jonker stated that EIT ICT Labs identifies Cyber-Physical Systems as an emerging field with high innovation potential and is launching a new Action Line on CPS. The results of the acatech study will provide a valuable input for the planning of future activities within the action line. CPS in EIT ICT Labs will strengthen the agendaCPS project by connecting it to related efforts in Europe and helping to gain a European position.

Further information about the event, including the presentations, is available from the acatech website: http://www.acatech.de/cps.

EIT DIRECTOR LECETA VISITED THE HELSINKI CLC

José Manuel Leceta, Director for EIT, together with Dr. Daria Tataj, member of the EIT Governing Board, visited the Helsinki Co-location Centre on 19 April. They were able to experience the Multitouch Bubblewall that was first introduced at CeBIT in March, learned about the Helsinki CLC, it’s partners and activities as well as the entrepreneurial activities and the start-up Innorange. The visit to Aalto Venture Garage gave a good view on the student led activities around entrepreneurship.

Gallery 1.4 Multitouch Bubblewall at the Helsinki CLC

EIT Director José Manuel Leceta visiting the Helsinki CLC

Movie 1.1 Multitouch Bubblewall that was first presented at the CeBIT

Watch the video also on YouTube: http://www.youtube.com/watch?v=ksfr9Q1P738
EIT ICT Labs ANNUAL REPORT 2011 PUBLISHED

EIT ICT Labs is proud to present its first Annual Report. This report provides a summary of activities carried out in 2011 and reflects the strong commitment given to innovations and provides a comprehensive overview of our operations, governance and financial situation.

You can download the Annual Report from the EIT ICT Labs website:
MAY, 2012

- European delegation visiting EIT ICT Labs
- Entrepreneurial Research Day
- Stockholm Start-up story: Telcred
- Visiting professor Sumi Helal
- EIT ICT Labs at the IEEE Symposium

HIGH-LEVEL TALK ON EUROPEAN AND NATIONAL INNOVATION STRATEGIES

On May 14, Commissioner Vassiliou and three members of the European Parliament visited KTH and the two national offices of EIT ICT Labs and InnoEnergy. Representatives from

Gallery 1.5 Commissioner Vassiliou visiting KTH, EIT ICT Labs and InnoEnergy
Swedish government, industry and innovation system participated in an open dialogue on innovation strategies to meet future European challenges.

The Commission regards investment in innovation a top priority and the proposal to integrate EIT within the Horizon 2020 framework will provide a strong and coherent innovation strategy. Commissioner Vassiliou stated that Sweden has already a leading innovation system.

"You have developed a true innovation model that has inspired EIT, shifting focus from a sectoral innovation policy to a strategic approach and bringing together academia and industry as well as the public sector and other organisations in the process."

Swedish Minister for Enterprise Annie Lööf underlined that a key element in the coming Swedish innovation policy is to create strong links in investing in excellent education, research and innovation as well as a closer and deeper integration of the stakeholders involved.

The representatives from industry shared the view that participating in the EIT activities is highly valuable, with the long-term commitment and the autonomy of operations. Ulf Wahlberg, VP and R&D Director Ericsson:

"The lifetime of a product is much shorter today and the innovation processes in companies has to be ongoing all the time. The need for speed and flexibility is crucial for us to be competitive.

This point was also highlighted by EIT ICT Labs CEO Willem Jonker who stressed three aspects that makes EIT a real game changer - Governance, Agility and Longevity.

The EIT decision to allocate 80 % of their budget to the autonomous KIC’s, such as EIT ICT Labs, provides the means to really mobilize ecosystems for innovation in the thematic areas. The agile organisational model with annual business plans provides industry with great opportunity to invest in activities that would not have been carried out if aligned in a five year funding scheme. And on longevity have declared:

"We have for the first time created a Master School together with 20 European universities. They would not have signed this agreement if we were not here to stay for a long time. They see that we are investing for true impact."

At the visit to the EIT ICT Labs Co-location centre in Kista, the European delegation were able to see how the national partners from Education, Research and Business in ICT cooperate closely, both geographically and organisationally. Brief presentations of the Node activities were combined with hands-on demonstrations of research projects and a start-up installation of Near Field Technology allowing for the latest innovations in passage control systems.

ENTREPRENEURIAL RESEARCH DAYS

As part of its effort to develop the Entrepreneurial Spirit among researchers, EIT ICT Labs organised Entrepreneurial Research Days.

The first one took place on May 2nd in Paris. It demonstrated the value of entrepreneurship for talented researchers and showed that individuals can combine very successfully both research and entrepreneurship.

The testimonials given by passionate entrepreneurs made obvious to students that seizing opportunities and taking initiatives lead to success.

Olivier Festor, Research Director at the EIT ICT Labs, was pleased to welcome: Prof. Willem Jonker, EIT ICT Labs CEO, Prof. dr. Paul Klint,
A presentation of the EIT ICT Labs instruments was given by Prof. Aard Groen, Professor of Innovative Entrepreneurship and scientific director of NIKOS, the Netherlands Institute for Knowledge Intensive Entrepreneurship at the University of Twente.

Following their presentations, the follow-up round table allowed the above successful entrepreneurial researchers to share experience with motivated Ph.D. candidates and Master students in the area of ICT.

› STOCKHOLM STARTUP STORY - “TELCREDS”

Researchers, students, visitors and staff of the EIT ICT Labs Stockholm Node can now receive a digital ticket straight to their phone, granting them access to the facilities for a predefined time and area. This cutting edge solution provides a flexible solution for the management of the regular and ad hoc flow of visitors to the Co-location Centre.

If you have a special SD card installed, by Telcred, in you mobile phone that you can get an access ticket to the doors of the Stockholm Node conference rooms already today! In the project’s 3 year time frame everybody that has a NFC phone will be able to receive access tickets.

“It is a great opportunity to expose students, researchers and visitors to one of the most exciting new mobile technologies, NFC, at our Co-location Centre. At the same time it facilitates our daily activities with many visiting researchers and students from other countries staying for shorter or longer periods of time and requiring various types of access”, says Gunnar Landgren, Node Director, EIT ICT Labs Stockholm.
NFC, Near Field Communication, is a technology that enables intuitive use of proximity services such as payments and access to facilities using a contactless smart card or mobile phones. NFC only allows communication between two units to take place when they are within a few centimeters distance or when tapped against each other. It does not require any previous pairing of devices.

Movie 1.2 Carlo Pompili, CEO of Telcred presenting exciting new mobile technologies, NFC, at the Stockholm Co-Location Centre

The pilot access control system installed in Stockholm is developed by the startup company Telcred. It works with both contactless smart cards and NFC phones and uses the Ericsson cloud based Trusted Service Manager (TSM). The TSM facilitates remote distribution and management of applications which reside on a so called secure element in the phone. In Telcred’s solution, the TSM is used for both application management and to send updated “tickets”, which contain the users’ access rights, to the application.

Carlo Pompili, CEO Telcred, is enthusiastic about the opportunity to showcase and test the product: "With our background as a research project at SICS, Swedish Institute of Computer Science, a core partner of EIT ICT Labs, we are delighted to showcase our product to students and researchers in the environment where it all started a few years ago. It is also a great place for us to evaluate our system since a lot of people in different user categories need access to the premises and will put our solution through its paces."

EIT ICT Labs REPRESENTED AT IEEE TECHNOLOGY TIME MACHINE SYMPOSIUM ON TECHNOLOGIES AND BEYOND 2000


EIT ICT Labs was represented by Roberto Saracco, EIT ICT Labs Italian Node Director, and Christian Muller, Action Line Leader of the “Intelligent Mobility and Transportation Systems” at EIT ICT Labs and head of the...
automotive group and project manager of CARMINA, SIM-TD, and various related industry projects.

The IEEE Technology Time Machine (TTM) is a unique event for industry leaders, academics and decision making government officials who direct R&D activities, plan research programs or manage portfolios of research activities. This is the second organised Symposium of future technologies and will cover in a tutorial way a selected set of potentially high impact emerging technologies, their current state of maturity and scenarios for the future.

The Symposium brings world renowned experts to discuss the evolutionary and revolutionary advances in technology landscapes as we look forward to 2020. All the presentations in this Symposium are given by invited World leading experts. The Symposium is structured to facilitate informal discussions among the participants and speakers. As the number of participants will be kept relatively small, this Symposium provides an excellent opportunity for informal interaction between the attendees and senior business leaders and world-renowned innovators. The Symposium will also provide the opportunity to visit leading German research institutes and industries.

› SUMI HELAL - A VISITING PROFESSOR IN HELSINKI NODE

EIT ICT Labs Helsinki is proud to host Dr. Sumi Helal, a Finland Distinguished Professor (FiDiPro), during the summers of 2012 and 2013. Dr. Helal is well known, worldwide, for his interdisciplinary research on smart spaces and health telematics. He will be contributing to the research in the EIT ICT Labs’ Smart Spaces Action Line, and possibly others such as Health and Wellbeing and Cyber-physical Systems.

Sumi is a Professor at the Computer and Information Science and Engineering Department at the University of Florida (UF), USA. He directs the Mobile and Pervasive Computing Laboratory at UF. He is co-founder and director of the Gator Tech Smart House, an experimental home for applied research in the domains of elder care and health telematics. Sumi currently leads a project on smart home based personal health and independence, funded by the National Institutes of Health in the USA.

Movie 1.3 Interview with Dr. Sumi Helal - Professor at the Computer and Information Science and Engineering Department at the University of Florida (UF), USA

Watch the video also on YouTube: http://www.youtube.com/watch?v=r7WkWQHmztc&feature=youtu.be
START-UP WEEKEND @ EINDHOVEN

Beginning of June the Eindhoven Node of EIT ICT Labs participated in the Startup Weekend Eindhoven 2012. The challenge during this weekend was that aspirant entrepreneurs could transform their ideas into a real set up to start a high-tech company in just 54 hours. Speakers
and coaches provided insight and critical notes along this marathon of 54 hours. The aspirant entrepreneurs started on Friday evening and presented their businesses to a dedicated jury on Sunday evening.

EIT ICT Labs’ Eindhoven Node supported the Start-up weekend for entrepreneurs by participating in the organising committee, providing entrepreneurship coaching and by providing the ICT Award. The award was reached out to team Diva which won the Silver Medal. The two young students from EIT ICT Labs partner University Twente came up with a smartphone-app for social shopping. While shopping, this smart app gives you the chance to ask for real time feedback on fashion and obtain purchasing information and recommendations. Notable was their advanced business model, which involved major fashion chains/brands as well as local brick and mortar shops.

Empowered by the Startup Weekend 2012, the Diva team is now setting up a real business.

› EIT ICT LABS CLOUD COMPUTING SUMMER SCHOOL 2012

The second Summer School on Cloud Computing was arranged in Otaniemi, Finland at the beginning of June. There were 36 participants - mainly PhD and Master’s students from the EIT ICT Labs core or affiliate institutions. Cloud computing, which moves computing from personal devices to huge data centers in the Internet, is one of the hottest technology trends in ICT. Some of the key topics of the summer school were scalable cloud computing, energy saving in cloud data centers and the business opportunities opened by cloud computing.

The program consisted of lectures by local and visiting experts from academia and industry, group works generating business ideas around cloud computing topics, a visit to the CSC – IT Center for Science Ltd, a poster session and social events. The visiting speakers included Johannes Helander from Microsoft, Norbert Kikuchi from Google, Pan Hui from Deutsche Telekom Labs, Rushil Dave from Warrantifier and Corentin Dupont from CREATE-NET in Trento. CSC provided even a chance to “see the cloud” via a visit to their data center.

Movie 1.4 Interview with Sirkku Karinen, a doctoral student from the Computational systems biological research group at the University of Helsinki, was pleased with the networks she was able to build at the summer school.

Watch the video also on YouTube: http://www.youtube.com/watch?v=rEBWE07Oaek&feature=youtu.be
In the Innovation and Entrepreneurship Event Professors Antti Paasio and Pasi Malinen from the University of Turku, Business and Innovation Development BID inspired the audience on entrepreneurship, starting-up and growth, open innovation and new business models. Will Cardwell from Aalto Center for Entrepreneurship (ACE) gave a speech on the topic “How to build an ambitious company” and the student groups pitched their business ideas.

Aalto Center for Entrepreneurship promised coaching for the two winning groups - Region Rank and Agilefant. The business idea of Region Rank is to utilize public sector open APIs to review city areas and Agilefant is a tool for managing complex expert work, such as software development. Based on more than a decade of research collaboration with the top Finnish software companies, Agilefant scales from a single person and his ToDo-list to handling the project portfolio as well as all non-project work of an entire organisation - complete with linking small daily tasks to the long-term goals of the organisation.

The Cloud Computing summer school was organised by the Department of Computer Science and Engineering at Aalto University School of Science and the EIT ICT Labs Helsinki Node. The Scientific Director of the summer school was Prof. Jukka Nurminen.

“FUTUR EN SEINE”

During four days, from the 14th to the 17th of June, the “Futur en Seine” festival was the business gathering place for industry leaders, start-ups, service providers at a EU level, for an easier soft landing in the Paris region and beyond.

Thanks to a professional partnering tool based on a simple and intuitive interface, highly qualified meetings have been organised, providing to 100 organisations and companies from 11 countries a unique opportunity to develop business and partnerships with French large corporations, service providers and innovative SME's.

On the common booth held by EIT ICT Labs and the Cap Digital and Systematic competitiveness clusters, professionals and a larger public got updated information about latest ICT innovations toward e-health, digital cities and social media and had the opportunity to experience innovative

Gallery 1.8 Future en Sein

Professionals and a larger public got updated information about the latest ICT innovations.
demonstrations. Hence “Futur en Seine” provided a strong opportunity to understand how EIT ICT Labs is boosting the competitiveness of local companies, and supporting employment growth by leveraging innovation, training and partnership opportunities.

Information on the EIT ICT Master School was also available for interested attentive students.

› THE FIRST uID CENTRE IN EUROPE OPEN FOR ALL EIT ICT LABS PARTNERS

The first uID Center in Europe has been opened by VTT Technical Research Centre of Finland as part of EIT ICT Labs Smart Spaces activities. The uID Center is based on ucode ubiquitous identification solution. It provides means to connect real world objects such as products, locations and concepts having ucodes to respective information and services. The ucode and uID technology has been developed by Ubiquitous Networking Laboratory in Tokyo, Japan. The uID Center Europe is the first local branch of uID Center outside Asia.

The new uID Center Europe is freely available for EIT ICT Labs partners for testing and evaluation of the possibilities of uID technology. Possible examples are QR, RFID or NFC tag based systems. The Smart Spaces action line continues the work related to the use of uID together with other smart space technologies such as M3 in new product concepts.

More information about the possibilities of experimenting with uID Technology is available from janne.takalo-mattila@vtt.fi

› EIT ICT Labs IN GERMANY IS OFFICIAL MANAGEMENT PARTNER OF SOFTWARE CAMPUS

Software Campus was established to strengthen Germany’s potential for innovation in the ICT sector. It is an elite development program for master’s
and doctoral students with excellent qualifications who are in the final phase of their master’s program or at the beginning of the doctoral program in computer science. Software Campus was initiated by a high-performance German IT partnership of eight leading industry companies, eight top research institutes and universities and the German Government. The cooperation between government, industry, and science makes Software Campus an excellent, advanced, and unique program with EIT ICT Labs Germany as the management partner at its core.

With its high requirements for participation, it will identify and educate Germany’s upcoming generation of top managers with a strong IT background. “The goal of Software Campus is to inspire more students with leadership and entrepreneurial potential in the computer science and engineering areas”, says Dr. Udo Bub, Node Director Germany. “Especially for talents in engineering disciplines, there is potential for development that has not yet been exhausted. Software Campus establishes a complementary program of teaching, research, innovation and entrepreneurship.”

With its innovative dual concept, it embeds master’s and doctoral students with excellent qualifications and a creative entrepreneurial spirit. Partnering with the leading German IT companies, Software Campus offers an excellent education program. The program is attractive for top computer scientists who are researching on a very high scientific level and are aiming for a management career. Participants will be mentored by top managers, coached by excellent scientists and supported financially with a grant of up to EUR 100,000 for their own research projects.

In addition, EIT ICT Labs is closely partnering with Software Campus: Four of the current Software Campus Fellows will participate in the EIT ICT Labs Doctoral Summer School “Imagine the Future in ICT”, taking place in Paris in September 2012. From 2013 onwards, corresponding activities will promote the Software Campus concept within EIT nodes. An alignment in curricula with the EIT Master School and Doctoral School is being prepared.

› INNOVACTION LAB TRENTO 2012

It has been a great success - the Final Event of the InnovAction Lab Trento 2012 that was organised by Trento RISE with financial support of the EIT ICT Labs.

Gallery 1.9 Lorem Ipsum dolor amet, consectetur
5 selected teams of InnovAction Lab startuppers pitched in front of a panel composed by investors (Banner Ventures, dPixel Earlybird, H-Farm, L'Venture, Principia, Working Capital), FBK and Confindustria.

The jury awarded “Show it me” as the best business idea of the night. “Show it me” presented an innovative idea how to simplify the collaboration between designers and clients during the creative process. The team formed by Margarita Lyukmanova, Pavel Kucherbaev, Roman Chirikov e Jacopo Martolini will have the honor to pitch at the grand final in Rome and to attend a special summer camp for startuppers in the Italian Capital City. If they win the pitch competition of Rome as well, the team will be able to choose as a prize between the summer camp and a special trip to one of the main innovation Hubs of the world: Singapore, Silicon Valley, Israel or Berlin.

EIT ICT LABS AND FI-PPP SIGNING MEMORANDUM OF COLLABORATION ON 21 JUNE 2012

An agreement bringing together EIT ICT Labs of the European Institute of Innovation and Technology and the EU’s Future Internet Public-Private Partnership (FI-PPP) was signed on 21 June in the presence of Neelie Kroes, European Commission Vice-President for Digital Agenda, and Androulla Vassiliou, Commissioner for Education, Culture, Multilingualism and Youth.

The Memorandum of Collaboration lays down the principles for future collaboration between the two European initiatives aiming at building stronger synergies between research, innovation and education in the ICT sector. Aligning efforts and expertise in this way will generate important network effects, meaning more start-ups, more patents and more economic growth for Europe.

“This agreement is a perfect example of the cooperation we want to develop between the EIT and other initiatives within Horizon 2020, the new EU programme for research and innovation. Combining EIT ICT Labs’ talent and knowledge with the firepower of Future Internet PPP will enable us to deliver more effective results and to inspire the entrepreneurial leaders of tomorrow”, said Commissioner Androulla Vassiliou.

Gallery 1.10 Signature of a memorandum of understanding between EIT ICT Labs and FI-PPP

http://ec.europa.eu/avservices/photo/photoByReportageNews.cfm?&rid=7864&sitelang=en
CONTACTS

EIT ICT Labs IVZW
22 Rue d'Alron, 1050 Brussels
Belgium
www.eit.ictlabs.eu

Email: info@ictlabs.eu