

Communications, Dissemination & Events

Loes van den Borne
Communications & Events



ITEA 4 is the Eureka Cluster on software innovation



Communications & Events

- Promotion opportunities
- References
- Promotional materials

Promotion opportunities



ITEA 4

ITEA 4 is the Eureka Cluster on software innovation



ITEA Communications

Promotion opportunities

The ITEA Office supports projects with the communication and dissemination of their project (results)

- Project webpage
- ITEA Newsletter
- ITEA Magazine

Project webpage

For each labelled project the ITEA Office will create a webpage with:

- Project data
- Project leader info
- Consortium
- An extra tab for Project-related documents (once documents are available)

I2PANEMA

Intelligent IoT-based Port Artefacts
Communication, Administration & Maintenance



Project description

Digitalisation is still in its infancy in ports. I2PANEMA aims to deploy the power of IoT to improve port operations, making them more efficient and sustainable, paving the way towards networks of smart ports. Barriers like data security and the lack of integration of existing, heterogeneous IT systems are to be overcome. The requirements of the pilots are important stimuli for developing an IoT port reference architecture. The architectural findings are planned to be contributed to standardisation bodies such as Industry 4.0 RAMI.

Partners Documents

Project leader



Franz-Josef Stewing
Materna Information & Communications SE, Germany



Germany



Bayernhafen TriCon
Container-Terminal
Nürnberg GmbH
Germany



catkin GmbH
Germany



DeltaPort GmbH & Co. KG
Germany



Dortmunder Stadtwerke
AG
Germany

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Intelligent IoT-based Port Artefacts
Communication, Administration & Maintenance



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Partners Documents

Project publications

I2PANEMA Project results leaflet

★ Project Leaflet 20 May 2022 Download

ITEA at Smart City Expo 2019

Magazine article Issue 35 (March 2020) Download

By and for end-users

Magazine article Issue 40 (November 2021) Download

ITEA I2PANEMA Exploitable Results by Third Parties

☆ Exploitable Results 20 June 2022

20 years of ITEA impact - bound by enablers: people and innovations

News item 20 December 2018

Twelve ITEA projects showcased at Smart City Expo World Congress

News item 22 November 2019

Project video




ITEA Newsletter

Four times a year, the ITEA Office sends a newsletter to the ITEA Community subscribers (approx. 6000).

- Projects can provide input for this newsletter throughout the year:
 - Project summaries or kick-off meeting info are not news, project results are
 - News items also shared in 'News' section of the ITEA website (<https://itea4.org/news-overview.html>) and on ITEA's social media channels (LinkedIn and Twitter)

ITEA Newsletter and news overview

Node: 124

 ITEA 4

Loes van den Borne • Community Office

ITEA 4 is the Eureka Cluster on software innovation

Project Calls & Funding • Projects • Impact & Publications • News & Events • ITEA PO Days 2022 • About ITEA

Search...

News & Events / News overview


News

Year • Project • Category

Search query


Search

Reset




Published on 03 Oct 2022

The Hague strengthens the ITEA Smart City Advisory Board




Published on 29 Sep 2022

Promote your Smart city-related products and services to city representatives




Published on 28 Sep 2022

New and renewed funding opportunities in France, Singapore and the UK




Published on 19 Sep 2022

Finally back together - ITEA Call 2022 launched at the ITEA Call 2022 and Family reunion in Helsinki




Published on 16 Sep 2022

Congratulations to our 2022 ITEA Award of Excellence winners!




Published on 15 Sep 2022

Does your (grand)mother understand what you do?




Published on 07 Jul 2022

FMI 3.0 - a major milestone for interoperability in system modelling and simulation




Published on 22 Jun 2022

First Annual Operational Plan approved




Published on 20 Jun 2022

Smart city challenges from Tampere




Published on 31 May 2022

Join the Eureka Clusters at GIS2022!




Published on 25 May 2022

FFG, ITEA and Xecs strengthen AI focus at AAIC 2022



Published on 22 May 2022

ITEA Smart Systems Engineering workshop provides valuable insights in challenges and possible future

 ITEA Office

1,662 followers

10mo •

The ITEA project **STACK** designed Multi-Trace to support the training of machine learning algorithms for intrusion detection in low-power, resource-limited IoT networks. Users can get data to train the machine learning algorithms to defend against attacks on IoT networks.

Find out more

#machinelearning #iot #cyberattack

News

Trace files for ML-based IoT intrusion detection


Trace files for ML-based IoT intrusion detection

itea4.org • 2 min read

ITEA Newsletter #33 | October 2022


ITEA 4 is the Eureka Cluster on software innovation

ITEA Newsletter



News by and for the ITEA Community

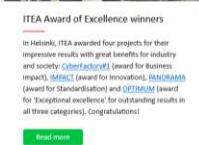
We are happy to share with you our latest Newsletter created by and for the ITEA Community. In this edition you will find news about the ITEA PO Days 2022 and how you can still join an ITEA Call 2022 project. Be inspired by the award-winning projects and learn more about the Smart City Advisory Board and ways to promote your Smart city solution. If you wish to feature in our next edition, submit your news via communications@itea4.org!



PO Days 2022 - finally back together!

ITEA Call 2022 was launched on 13 September during the ITEA PO Days in Helsinki. We were happy to finally get back together again with the ITEA Community after two years of meeting online. To celebrate this occasion, the PO Days were followed by an ITEA Family reunion, combining inspiring sessions with the long-awaited chance to socialise.


Read more



ITEA Award of Excellence winners

In Helsinki, ITEA awarded four projects for their impressive results with great benefits for industry and society: **CyberFactory** (Award for Business Impact), **MOS2S** (Award for Innovation), **SAFESIM** (Award for Standardisation) and **QIP2020** (Award for "Exceptional excellence" for outstanding results in all three categories). Congratulations!


Read more



Join (one of the new ITEA Project Outlines for) ITEA Call 2022

For the ITEA PO Days in Helsinki, 48 new project ideas were submitted in the ITEA Call 2022 project-ideas.itea4.org and consortia already started to take form. Today, ITEA's Call 2022 for projects is open and several project leaders are still looking for specific partners and/or expertise to complete their consortium. We have summarised their requests on our website. Make use of this opportunity to join one of these Project Outlines and become part of ITEA Call 2022. If you have an innovative idea, which does not fit current proposals, you can also submit your own Project Outline in ITEA Call 2022. Deadline for PO submissions: 15 November 2022 - 17:00 CEST.


View requests



New and renewed funding opportunities in France, Singapore and the UK

We are happy to share with you that several countries have (re)committed themselves to providing funding support for ITEA Call 2022. France and the UK have renewed their funding support for ITEA Call 2022. Singapore, relatively new to the ITEA Community, started its participation in ITEA with a project in the Eureka Clusters at Call 2020 and ITEA Call 2021. This year, Enterprise Singapore has funding support available for Singapore companies that want to join in ITEA Call 2022. We invite you to learn more about the funding opportunities in these three countries.

Read more



Project impact story MOS2S

Traditional media is losing ground to personalised experiences. Security wants to be involved, or at least can be. The MOS2S project took the outdated broadcasting principle to the next level, adding a completely different dimension with features such as instant live broadcasting with the aim to capture as much sensor data as possible and use this data in various applications in order to eventually enhance the experiences of people.

Read more

Promote your Smart city-related products and services to city representatives

ITEA Magazine

Three times a year, the ITEA Office issues a magazine


- March and November are both paper and online editions
- July is an online edition only

Several sections in the magazine focus on projects:

- Introduction of the newly labelled projects
- News
- ITEA Success stories (of finished projects)
- End user benefit showcase

Magazine items will also be shared on ITEA's social media (LinkedIn and Twitter)

ITEA Magazine



Loes van den Borne
Community
Office
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Project Calls & Funding
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ITEA PO Days 2022
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Impact & Publications / ITEA Magazine / Overview

ITEA Magazines


Subscribe now: communications@itea4.org

Submissions


The ITEA Office is interested in receiving news or events linked to the ITEA programme, its projects or in general: R&D in the Software-intensive Systems and Services field. Please submit your information to communications@itea4.org.




ITEA Magazine 42
July 2022




ITEA Magazine 41
March 2022




ITEA Magazine 40
November 2021




ITEA Magazine 39
July 2021




ITEA Magazine 38
March 2021




ITEA Magazine 37
November 2020




ITEA Magazine 36
July 2020




ITEA Magazine 35
March 2020




ITEA Magazine 34
November 2019




ITEA Magazine 33
July 2019




ITEA Magazine 32
March 2019




ITEA Magazine 31
November 2018




ITEA Magazine 30
July 2018



ITEA Magazine 29
March 2018



ITEA Magazine 28
November 2017




ITEA Magazine 27
July 2017

Impact & Publications / ITEA Magazine / Issue 42 (July 2022)

ITEA Magazine 42 - July 2022

Contents

[Download the full ITEA Magazine #42](#)



Editorial

Zeynep Sarilar

What is the main ingredient of innovation?

While working through the pages of this magazine, reading inspiring success stories of the projects MOS2S and ENTOC, impressive growth of an SME Flaps, or the Community Talk with Oliver Blot, the same question continued to echo: What makes these journeys impactful?

There are many hints in each page, such as international collaboration with innovative partners, trustful support from Public Authorities, open-minded customers sharing urgent needs of their industry and ambitious industrial researchers taking courageous steps into the unknown.

The common denominator of all these journeys is the human factor. The magic of innovation needs people with a high level of knowledge, devoted to finding the best solutions possible (beyond the state of art), with a creative mind to tackle any challenge with an optimum solution, and with a warm and trustful heart that is ready to collaborate. I would like to thank each ITEA project leader and project partner for their initiative.

Read more

Country Focus

Belgium

Creating jobs through innovation

In a nutshell, the central focus of the Flemish VLAD programme, 'Digital Future', is turned to four main drivers: Start Digital, Artificial Intelligence, Cybersecurity and Industry 4.0. 'The job of our agency' explains President de Vries, advisor of VLAD for innovation projects in the private sector and in public research bodies, 'is to help companies in the Flemish region to be among the best in the world. And thereby create jobs.'

Read more


FEops

Becoming a truly global player

Four years ago, Matthieu de Bock, CEO and Founder of FEops was interviewed on the ITEA magazine on his SME. Now FEops is back in the spotlight. Country Focus on Belgium, Hens, Matthieu, not to date on how things have been going since explains how his company benefits from the Flemish leading agency, VLAD, and the ITEA the 'theatre' are returned in kind.

Read more


ITEA Success stories



ITEA Success story

MOS2S

New forms of engagement in entertainment and society




ITEA Success story

ENTOC

The next steps in virtual engineering and commissioning

Upcoming events




ITEA PO Days 2022 & ITEA Family reunion

13-14 September
Helsinki

ITEA Family reunion
14-15 September 2022, Helsinki, FI

The ITEA Community is coming together again!




ITEA Smart Health Customer workshop

Insights into the 2022 Smart health customer workshop

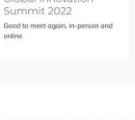
Smart health - new challenges ahead!

Event report




GLOBAL INNOVATION SUMMIT 2022

Good to meet again, in person and online




Smart health - new challenges ahead!


Other highlights




Community Talk with: Oliver Blot



Introducing the ITEA Call 2021 projects



SME in the spotlight



By and for end-users

New forms of engagement in entertainment and society

Traditional media is losing ground to personalised experiences. Children of today, for example, don't even know what it's like to have a set of TV channels with fixed broadcasting timeslots for your favourite shows; they choose what to watch at the time they want. And they even produce thousands of pieces of content on their own each day. This trend in the entertainment business can also be seen in society, where city representatives no longer make decisions on their own, where city is involved, or at least can be.

With many different innovations and high-level sensor applications, the MOS2S Media Orchestration - Smart to Smart project took the audience-based sensing concept to the next level, adding a completely different dimension with features such as: instant live broadcasting. The size of the project was to capture as much sensor data as possible and use this data in various applications in order to eventually enhance the experience of people.

Citizen and audience engagement

Following this engagement to a higher level, 17 partners from four countries led by TMG in the Netherlands came together in the ITEA project MOS2S and have created world-first ways to engage with citizens and audiences of live events. MOS2S was created around two scenarios: environmental journalism and (digital) entertainment. The project focused on technologies that allow data and media streams to be collected into an all-encompassing experience on various types of end-user devices. The common denominator in MOS2S is the media processing platform, which combines multimedia streams from different domains:

- Democracy enhanced with AI for e-democracy, four components were developed by the MOS2S project in which each partner provided another step of the value chain:
 - Robobox
 - Online Debate
 - Online Debate Reply
 - Hangouts

VRI's Bubblebox is a media interaction booth which is set up at crowded locations and lets citizens give feedback on societal

Reference to ITEA



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Reference to ITEA

- Projects receive public support
- References to Eureka and ITEA (and secondary Clusters)
- Textual: The ITEA project ... (or e.g. The ITEA-SMART project ...)
- Twitter: @ITEA_4, @EUREKA_NETWORK (+ tag secondary Cluster)
- LinkedIn: @ITEA_Office, @Eureka_Network (+ tag secondary Clusters)
- Visually by using logos
- References to Funding agencies

Project promotion materials



ITEA 4 is the Eureka Cluster on software innovation



ITEA Communications

Project promotion materials

The ITEA Office supports projects with the creation of project promotion materials

- Project leaflets
- Project Exploitable Results document
- Success stories / Impact stories

ITEA Project leaflets

During the project lifecycle the ITEA Office will produce a:

- **Project profile leaflet**


As soon as the project has officially started, a Project profile leaflet will be created by our copywriter based on the Full project proposal.

- **Project results leaflet**

Within a month after completion of the project, a Project results leaflet will be created. Next to information from the final review, input will also be provided by the project leader/consortium.

Leaflets can be printed for events

ITEA Project leaflets



Project Profile

EFICAS

Finding the balance between AI performance and power consumption

The AI Call 2020 project EFICAS (Energy Efficient Heterogeneous AI-Framework for Smart Mobile and Embedded Systems) will create a software solution which can run on heterogeneous computation environments. This will uncover the right balance between performance and energy efficiency for AI algorithms in various domains.

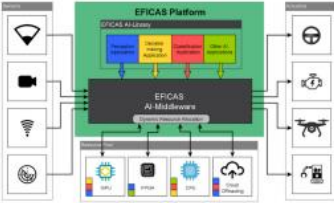
Addressing the challenge

AI can enable greater performance in domains such as mobility and automation but is not power-efficient. As the increased functional complexity of mobile and autonomous applications increases power demands on embedded platforms, the computational load is raised; AI-driven concepts therefore necessitate lower energy consumption. Although various parties are competing to achieve this, the results are dedicated solutions with special market participation. Instead of focusing on improved AI performance, there is an enormous need for greater resource efficiency for available AI frameworks and algorithms.

Proposed solutions

EFICAS will create an AI-driven software framework that merges heterogeneous technologies via a cognitive, power-sensitive middleware which utilises performance and consumption markers at runtime. By dynamically assigning tasks to the best-suited architecture (based on timing and geographical constraints), this will create an optimal trade-off between performance and energy consumption. This framework will also include a library of functions and services to motivate the adoption of a variety of AI/ML methodologies and algorithms.

EFICAS capitalises on the fact that Central Processing Units (CPUs) are flexible but work sequentially, Graphics Processing Units (GPUs) are less flexible but work in parallel, and



EFICAS Framework Structure

GPUs. The resulting reductions to energy requirements will be demonstrated in use-cases an autonomous agricultural vehicles, autonomous mobile robots and automation systems.

Projected results and impact

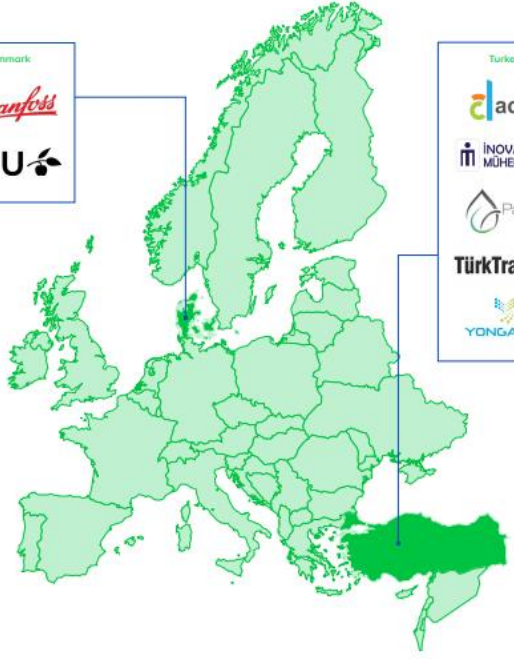
EFICAS's energy efficiency will be measured in floating point operations per second (FLOPS/W) against a baseline of 10-20 GFLOPS/W for a GPU-based solution. In a low computational load scenario combining FPGA and GPU, 25 GFLOPS/W can be achieved with

30-100% energy savings. For high computational load, 40 GFLOPS/W can be reached with 30-50% energy savings. In addition, the implementation time for ML algorithms with the EFICAS framework will be approximately the same as with monolithic platforms.



Overall, the EFICAS middleware's performance/energy consumption trade-off gain is expected to be up to 15%. This translates, for instance, into 12.5 hours more operating time for autonomous mobile robots or an 11% greater range for autonomous agricultural vehicles. As

Project partners






EFICAS
20229



Denmark


Turkey

Project start September 2021	Project leader Hakan Mencek, Türk Traktör	Project website https://itea4.org/project/eficas.html
Project end August 2024	Project email hakan.mencek@turktraktor.com.tr	

ITEA is the Eureka R&D Cluster on software innovation, enabling a large international community of large industry, SMEs, start-ups, academia and customer organisations, to collaborate in funded projects that turn innovative ideas into new businesses, jobs, economic growth and benefits for society. ITEA is part of the Eureka Clusters Programme (ECP).

<https://itea4.org>



Σ eureka

Events



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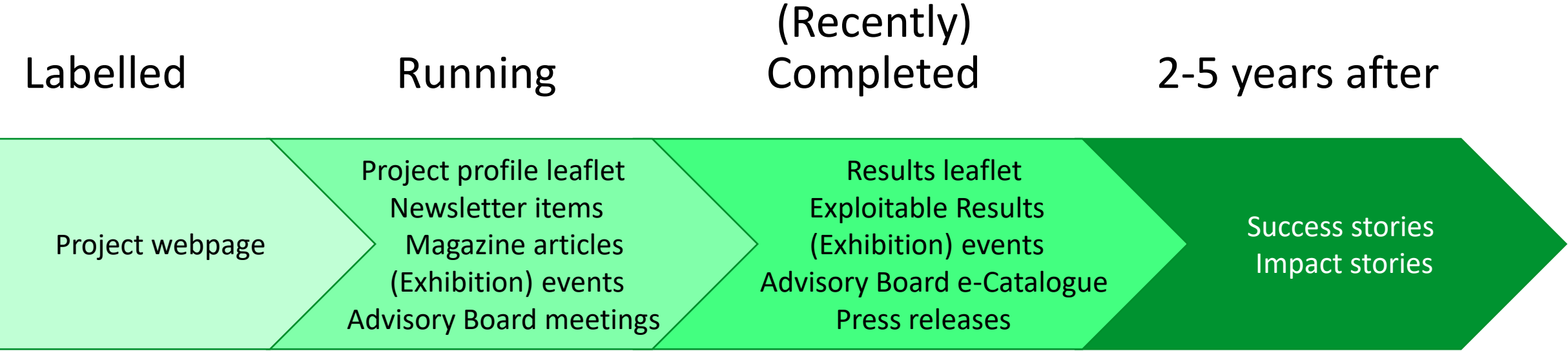
Exhibition events

- To showcase results so far to
 - Public Authorities
 - Potential customers
- Full project exhibition or shared (thematic) pavilion
- ITEA Office will provide:
 - Posters
 - Presentation template
 - Leaflets
 - Project reels



Communications timeline

Possible Communcations timeline



Contact



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Contact details

- If you have any further questions, do not hesitate to contact the ITEA Communications team:
- Email: communications@itea4.org
- Linda van den Borne-Toupet: linda.van.den.borne@itea4.org
- Loes van den Borne: loes.van.den.borne@itea4.org
- Mathijs van Dijk: mathijs.van.dijk@itea4.org
- Diana Verdoes: diana.verdoes@itea4.org



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Thank you