Project Ideas from European brokerage event of February 18-19 (Brussels)

“Chips JU 2025 Non Initiative Call”

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Livio Baldi,

President Chips Mirror Group Italy

ECS Brokerage Event

All Presentations at ECS brokerage event 2025 are available at:

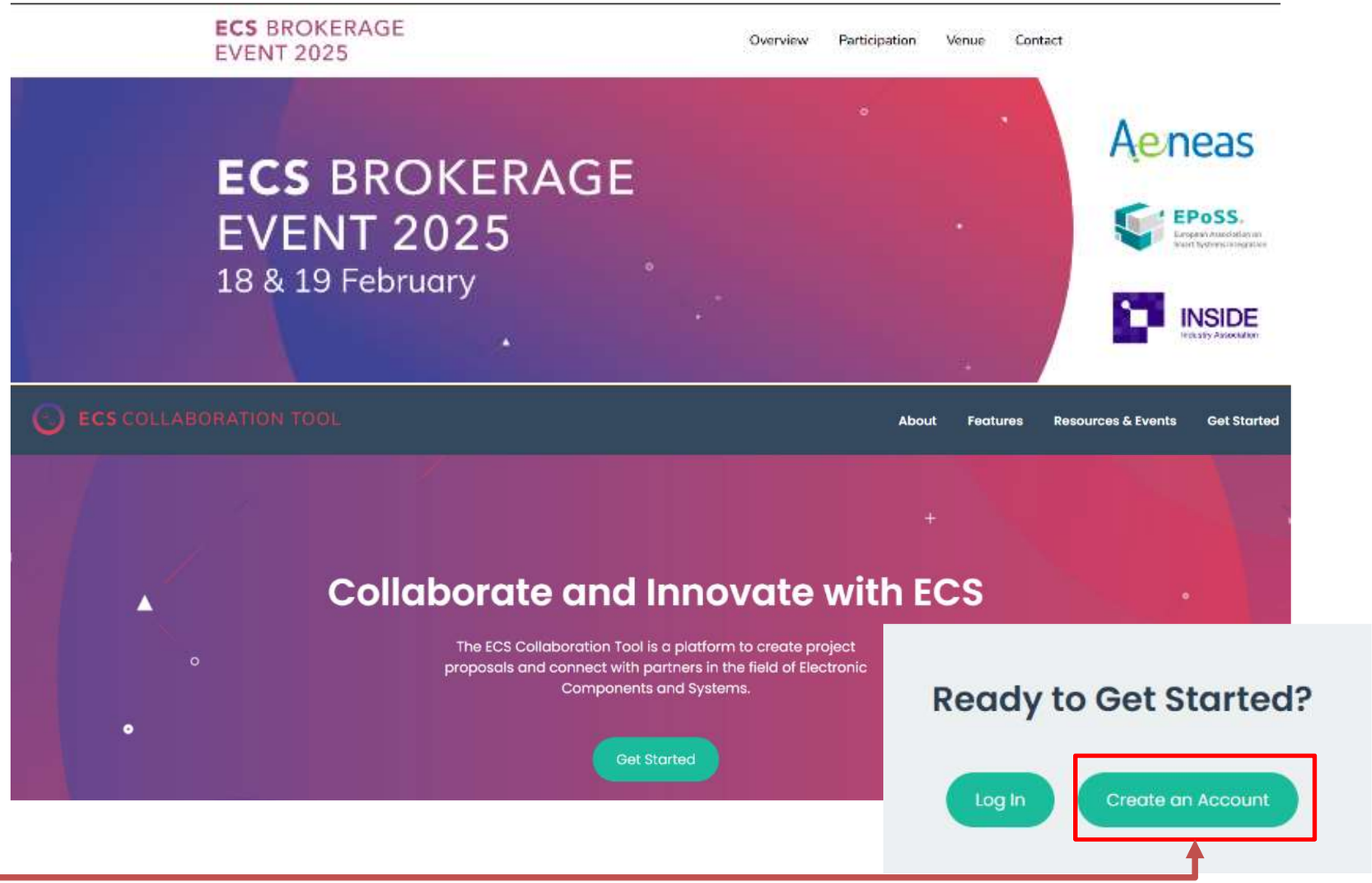
https://ecs-brokerage-event.eu/delegate-page/

ECS collaboration Tools can be accessed from here, or directly at:

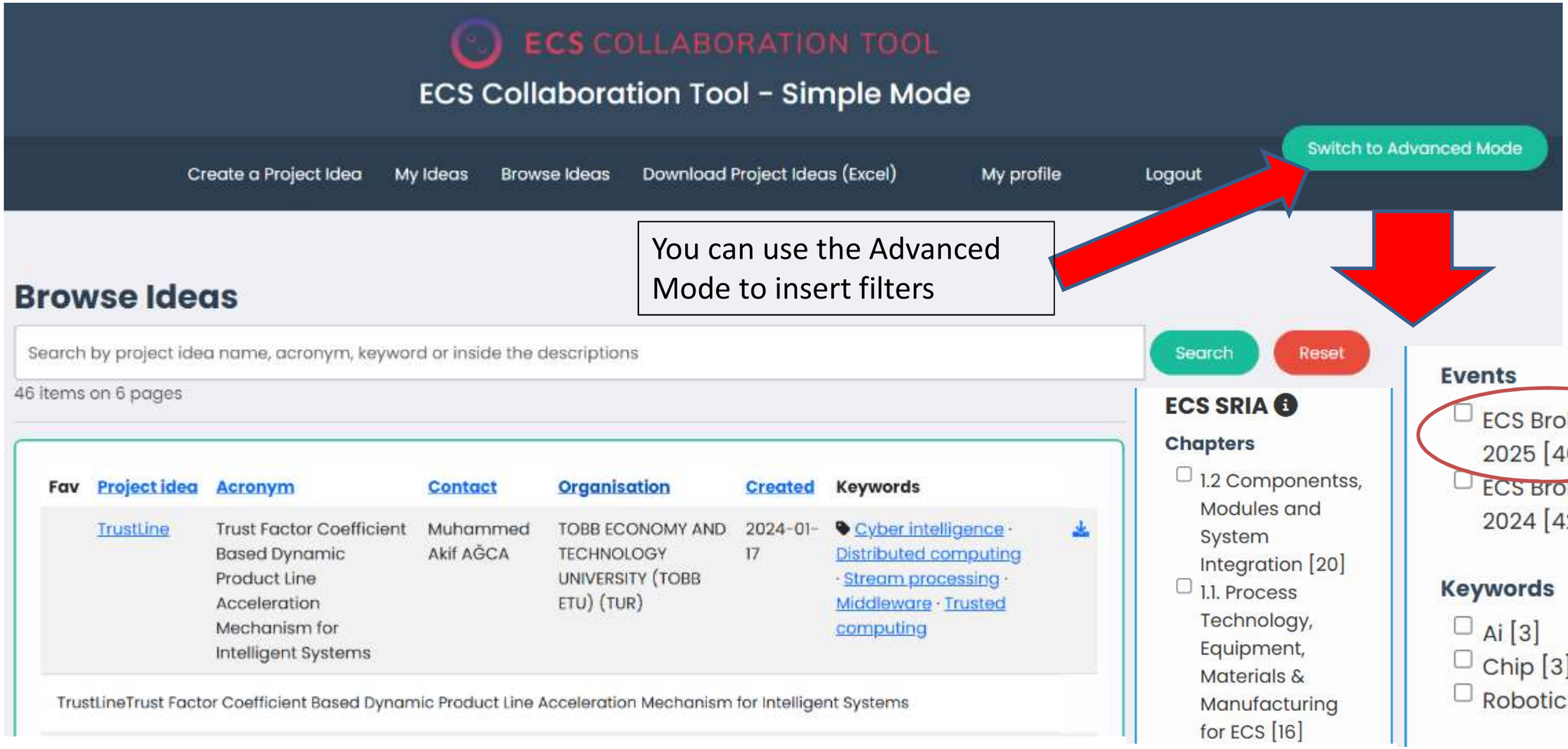
https://ecscollaborationtool.eu/

Login at your account. If you do not have it, you can create it here.

It is FREE!

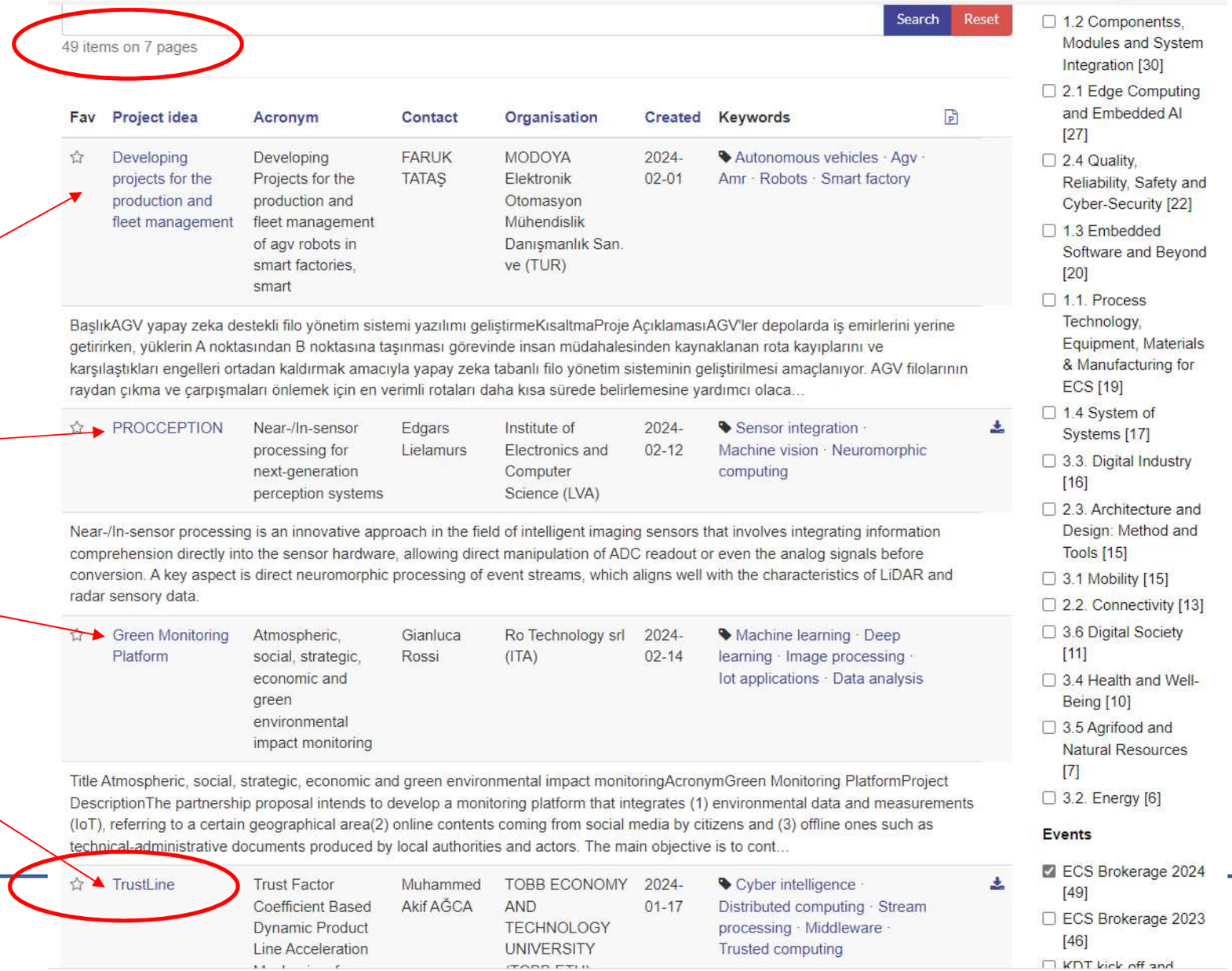


ECS Collaboration Tool



ECS Collaboration Tool

For more detailed descriptions and for dowloading poster and/or pitch



Search Reset

49 items on 7 pages

Fav	Project idea	Acronym	Contact	Organisation	Created	Keywords
☆	Developing projects for the production and fleet management	Developing Projects for the production and fleet management of agv robots in smart factories, smart	FARUK TATAŞ	MODOYA Elektronik Otomasyon Mühendislik Danışmanlık San. ve (TUR)	2024-02-01	Autonomous vehicles · Agv · Amr · Robots · Smart factory
	BaşlıkAGV yapay zeka destekli filo yönetim sistemi yazılımı geliştirmeKısaltmaProje AçıklamasıAGV'ler depolarda iş emirlerini yerine getirirken, yüklerin A noktasından B noktasına taşınması görevinde insan müdahalesinden kaynaklanan rota kayıplarını ve karşılaştıkları engelleri ortadan kaldırmak amacıyla yapay zeka tabanlı filo yönetim sisteminin geliştirilmesi amaçlanıyor. AGV filolarının raydan çıkma ve çarpışmaları önlemek için en verimli rotaları daha kısa sürede belirlemesine yardımcı olaca...					
☆	PROCCEPTION	Near-/In-sensor processing for next-generation perception systems	Edgars Lielamurs	Institute of Electronics and Computer Science (LVA)	2024-02-12	Sensor integration · Machine vision · Neuromorphic computing
	Near-/In-sensor processing is an innovative approach in the field of intelligent imaging sensors that involves integrating information comprehension directly into the sensor hardware, allowing direct manipulation of ADC readout or even the analog signals before conversion. A key aspect is direct neuromorphic processing of event streams, which aligns well with the characteristics of LiDAR and radar sensory data.					
☆	Green Monitoring Platform	Atmospheric, social, strategic, economic and green environmental impact monitoring	Gianluca Rossi	Ro Technology srl (ITA)	2024-02-14	Machine learning · Deep learning · Image processing · Iot applications · Data analysis
	Title Atmospheric, social, strategic, economic and green environmental impact monitoringAcronymGreen Monitoring PlatformProject DescriptionThe partnership proposal intends to develop a monitoring platform that integrates (1) environmental data and measurements (IoT), referring to a certain geographical area(2) online contents coming from social media by citizens and (3) offline ones such as technical-administrative documents produced by local authorities and actors. The main objective is to cont...					
☆	TrustLine	Trust Factor Coefficient Based Dynamic Product Line Acceleration	Muhammed Akif AĞCA	TOBB ECONOMY AND TECHNOLOGY UNIVERSITY	2024-01-17	Cyber intelligence · Distributed computing · Stream processing · Middleware · Trusted computing

- 1.2 Componentss, Modules and System Integration [30]
- 2.1 Edge Computing and Embedded AI [27]
- 2.4 Quality, Reliability, Safety and Cyber-Security [22]
- 1.3 Embedded Software and Beyond [20]
- 1.1. Process Technology, Equipment, Materials & Manufacturing for ECS [19]
- 1.4 System of Systems [17]
- 3.3. Digital Industry [16]
- 2.3. Architecture and Design: Method and Tools [15]
- 3.1 Mobility [15]
- 2.2. Connectivity [13]
- 3.6 Digital Society [11]
- 3.4 Health and Well-Being [10]
- 3.5 Agrifood and Natural Resources [7]
- 3.2. Energy [6]

Events

- ☑ ECS Brokerage 2024 [49]
- ☐ ECS Brokerage 2023 [46]
- ☐ KDT kick off and

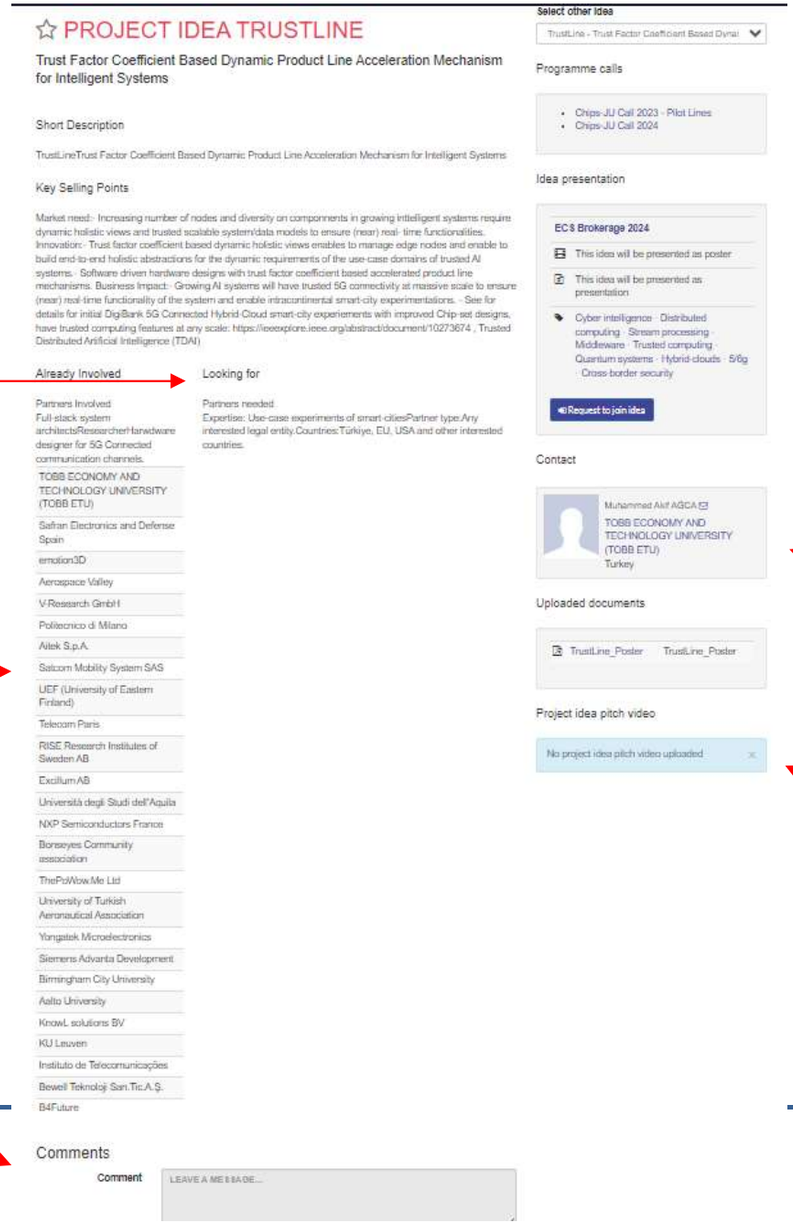
ECS Collaboration Tool

Description

Sought Partners

Involved Partners

If interested leave a comment to the coordinator



☆ PROJECT IDEA TRUSTLINE

Trust Factor Coefficient Based Dynamic Product Line Acceleration Mechanism for Intelligent Systems

Short Description

TrustLineTrust Factor Coefficient Based Dynamic Product Line Acceleration Mechanism for Intelligent Systems

Key Selling Points

Market need:- Increasing number of nodes and diversity on components in growing intelligent systems require dynamic holistic views and trusted scalable system/data models to ensure (near) real- time functionalities. Innovation:- Trust factor coefficient based dynamic holistic views enables to manage edge nodes and enable to build end-to-end holistic abstractions for the dynamic requirements of the use-case domains of trusted AI systems. - Software driven hardware designs with trust factor coefficient based accelerated product line mechanisms. Business Impact: - Growing AI systems will have trusted 5G connectivity at massive scale to ensure (near) real-time functionality of the system and enable intracontinental smart-city experimentations. - See for details for initial DigiBank 5G Connected Hybrid Cloud smart-city experiements with improved Chip-set designs, have trusted computing features at any scale: https://ieeexplore.ieee.org/abstract/document/10273674 , Trusted Distributed Artificial Intelligence (TDAI)

Already Involved

Partners Involved
Full-stack system architects/Researcher/Hardware designer for 5G Connected communication channels.

TOBB ECONOMY AND TECHNOLOGY UNIVERSITY (TOBB ETU)
Safran Electronics and Defense Spain
emotion3D
Aerospace Valley
V-Research GmbH
Politecnico di Milano
Altek S.p.A.
Satcom Mobility System SAS
UEF (University of Eastern Finland)
Telecom Paris
RISE Research Institutes of Sweden AB
Excillum AB
Università degli Studi dell'Aquila
NXP Semiconductors France
Bonseyes Community association
ThePoWow.Me Ltd
University of Turkish Aeronautical Association
Yongatek Microelectronics
Siemens Advanta Development
Birmingham City University
Aalto University
KnowL solutions BV
KU Leuven
Instituto de Telecomunicações
Bewell Teknoloji San.Tic.A.Ş.
B4Future

Looking for

Partners needed
Expertise: Use-case experiments of smart-citiesPartner type:Any interested legal entity.Countries:Türkiye, EU, USA and other interested countries.

Comments

Comment

LEAVE A MESSAGE...

Select other idea

TrustLine - Trust Factor Coefficient Based Dynal

Programme calls

- Chips-JU Call 2023 - Pilot Lines
- Chips-JU Call 2024

Idea presentation

ECS Brokerage 2024

This idea will be presented as poster

This idea will be presented as presentation

Cyber intelligence · Distributed computing · Stream processing · Middleware · Trusted computing · Quantum systems · Hybrid-clouds · 5/6g · Cross-border security

Request to join idea

Contact

Muhammed Akif AGCA

TOBB ECONOMY AND TECHNOLOGY UNIVERSITY (TOBB ETU)
Turkey

Uploaded documents

TrustLine_Poster TrustLine_Poster

Project idea pitch video

No project idea pitch video uploaded

Contact Person

Poster/Presentation if any

Video Pitch if any

ECS Brokerage Event 2025

- All the 44 Project Ideas are available on the Collaboration Tool. Among them:
  - 32 Ideas have inserted a poster
  - 24 Ideas have inserted a presentation
  - 20 have inserted both

- For detailed info you can download all the material from the ECS Tool https://ecscollaborationtool.eu/

Proposals by SRIA topics

Foundational Technology Layers		
1.1	Process Technology, Equipment, Materials & Manufacturing for ECS	16
1.2	Components, Modules and System Integration	20
1.3	Embedded Software and Beyond	8
1.4	System of Systems	7

Cross Sectional Technology		
2.1	Edge computing and Embedded AI	14
2.2	Connectivity	7
2.3	Architecture and Design Methods and Tools	10
2.4	Quality, Reliability Safety and Cybersecurity	5

ECS Key Application Areas		
3.1	Mobility	10
3.2	Energy	10
3.3	Digital Industry	13
3.4	Health & Wellbeing	5
3.5	Agrifood & Resources	5
3.6	Digital Society	8

to what to pay attention?

- Novelty of the idea and appropriateness of the in/out expected TRL level
- Adherence to the Focus Topics or to the SRIA25
- Industrial and Academic strenght of the Consortium
- Italian Universities and RTOs cannot join without at least one Large Enterprise or SME
- Only for the newcomers:
  - Presence of other Italian partners to whom to ask for national rules and asking to national cluster coordinator challenges and constraints
  - Knowledge in case of absence of other Italian partners, of all the Italian rules

Thank you and good luck!

For any further info do not hesitate to get in touch with us:

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Alberto Bianchi alberto.bianchi@leonardo.com