

Welcome to SeAMK!

Agenda for the visit:

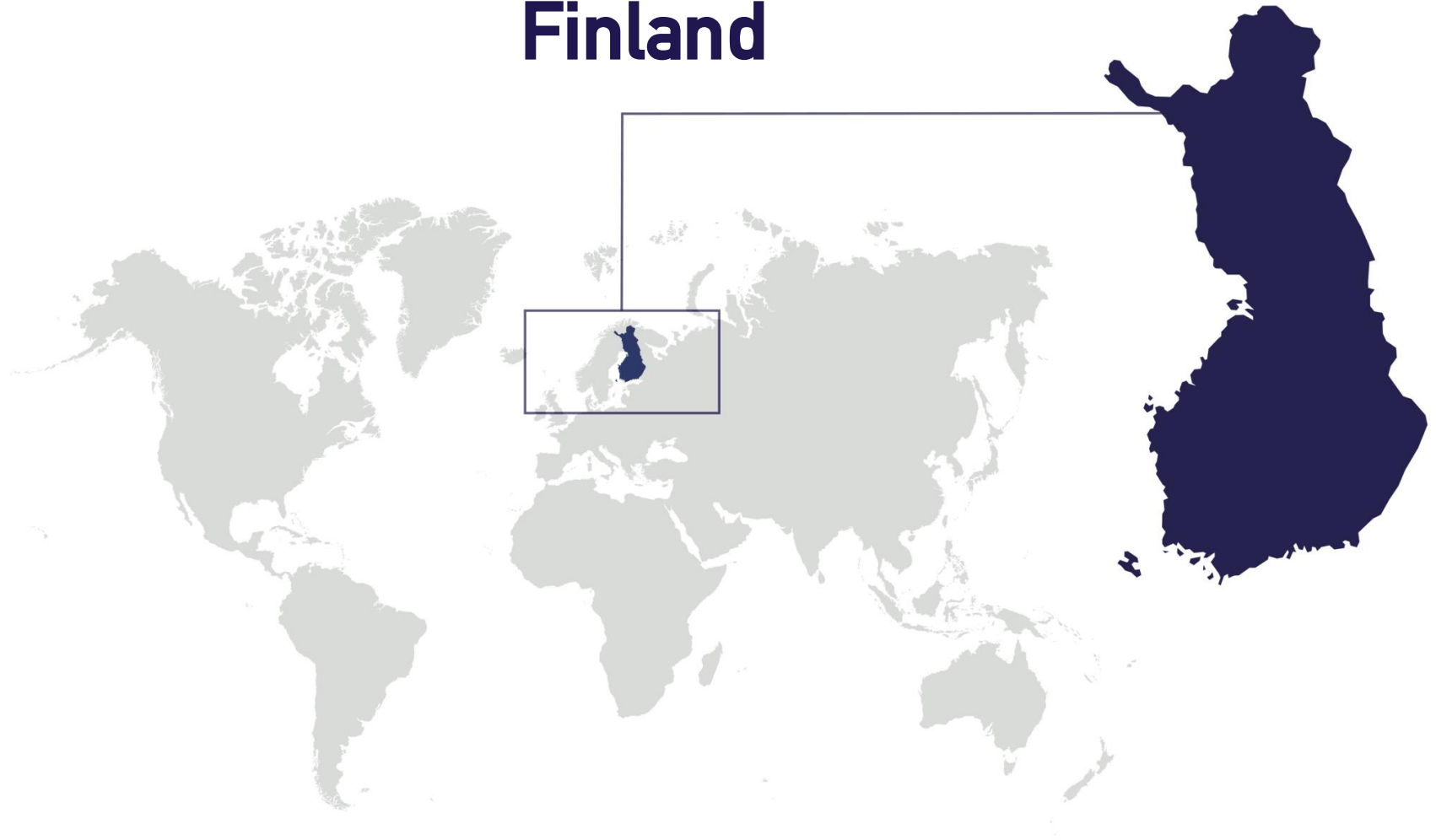
- Welcome and introductions – 10 min
- SeAMK and School of technology presentation – 30 min
 - Questions and discussions – 20 min
- Laboratory visit – Automation and IIoT lab – 30 min

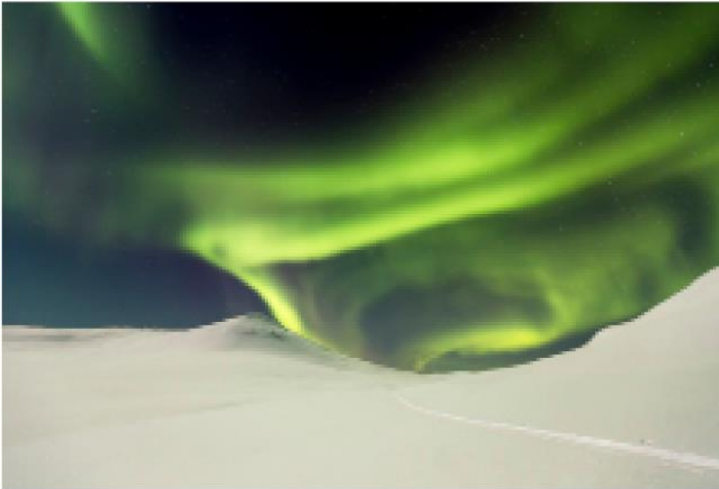


International, Entrepreneurial SeAMK – Best for our students



Finland





Facts about Finland

- Population 5,4 million
- 18 inhabitants / 2 km²
- 7th largest country in Europe
- 187 888 lakes
- Official languages: Finnish (88.9 %) and Swedish (5,3%)
- Independent republic since December 6th, 1917
- Member of the European Union (EU) since 1995

South Ostrobothnia

The Region of South Ostrobothnia is situated in the Province of Western Finland

- Population: 194 000
- Land area: 13 400km²
- Distance between Seinäjoki and Helsinki:
 - 357 km by train 2 h 35 min,
by car 4–5 hours



South Ostrobothnia



City of Seinäjoki

The Heart of South Ostrobothnian Region

- 60,000 inhabitants
- Rapidly growing city area
- The region is well-known for its cultural and entrepreneurial atmosphere
- 6th largest market region in Finland
- One of the most rapidly growing urban areas in Finland



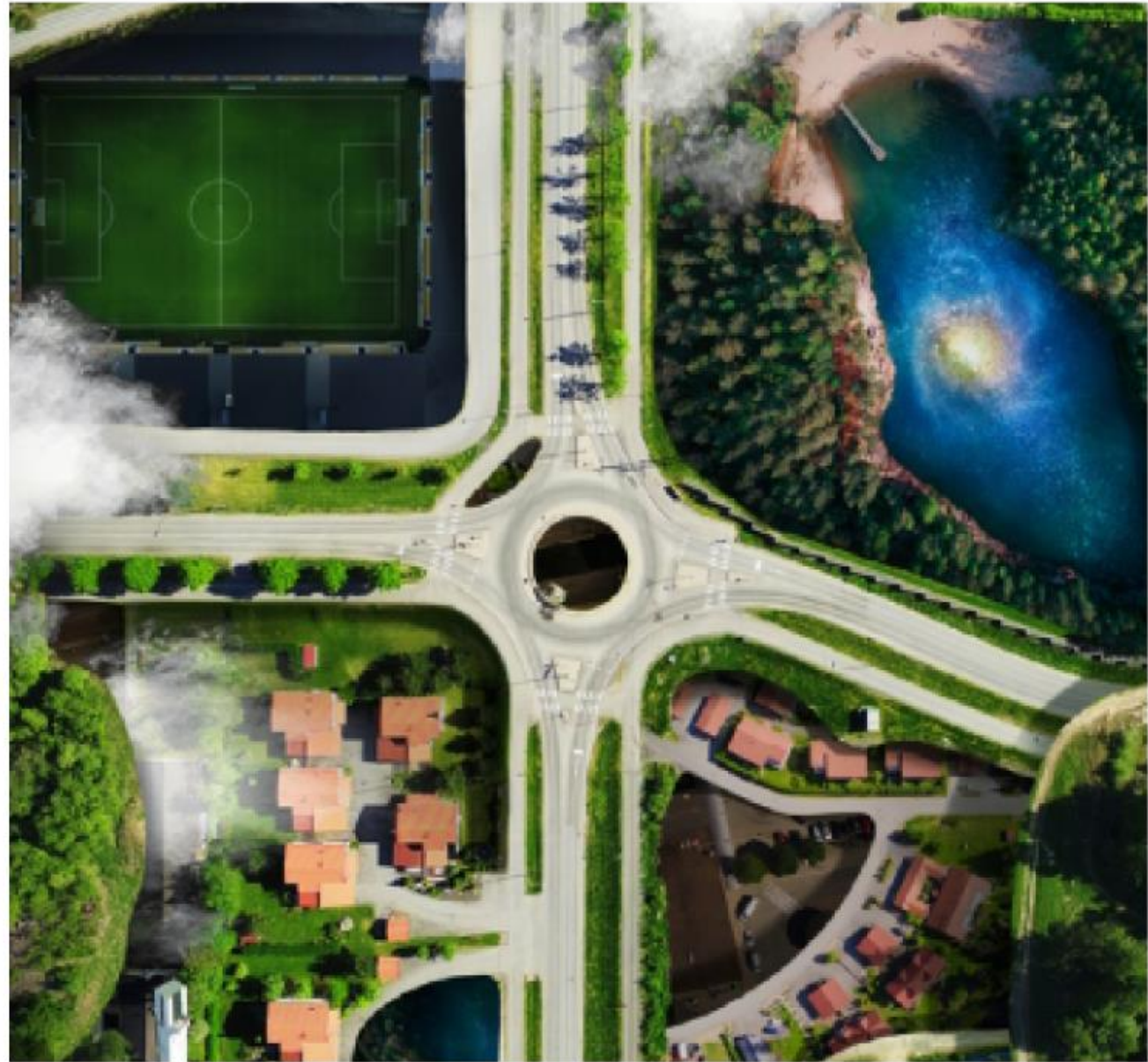
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Key Lines of Business in Seinäjoki

- Food processing and technology
- ICT technology
- Retail and services
- Metal technology
- Wood technology

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Economy in Seinäjoki Region

- **Total amount of places of business:**
17 800 (10 000 SME:s)
- **Total turnover of all companies:**
10 billion €
- **Total amount of jobs:** 75 000
Unemployment rate: 6,6%
- **Main sectors of employment:**
 - Social security & health care 20%
 - Industry 17%
 - Trade
 - Agriculture & forestry 8%
- **Main branches of industry:**
Agro-Food, Metal, Wood processing

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Alvar Aalto Centre

- The administrative and cultural centre of Seinäjoki is one of the most important creations of the famous Finnish architect Alvar Aalto

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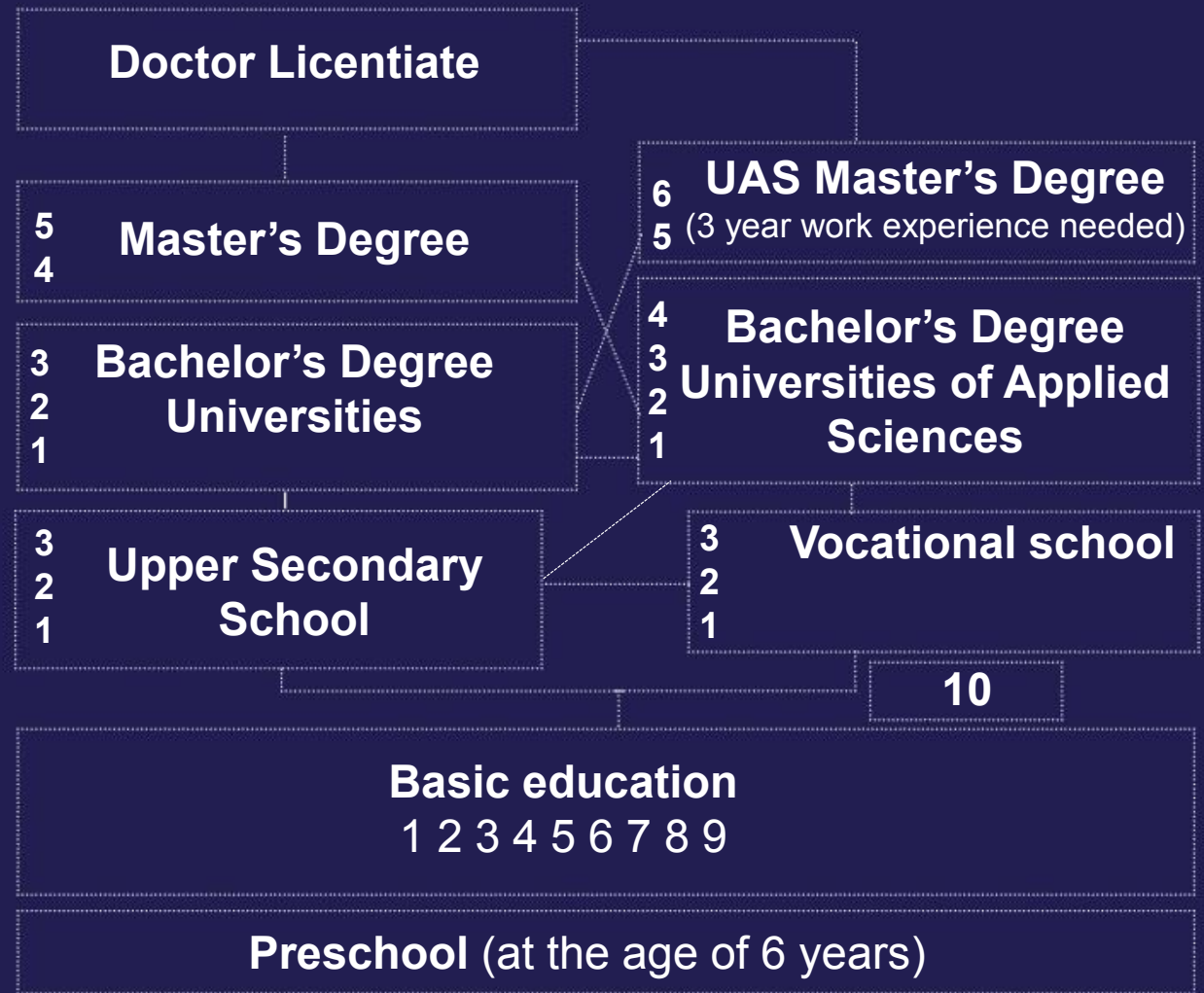
The Full Spectrum of Culture

- Seinäjoki Tango Festival (“Tangomarkkinat”) is one of the biggest events in Finland with more than 100.000 visitors
- Provinssi is one of the biggest rock festivals in Northern Europe
- Vauhtiajot – a famous race & rock event
- Seinäjoki is a popular trade fair, conference and congress city

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Education System in Finland



SeAMK Facts

- 5,000 students
- 800 graduating students annually
- 250 international mobility students
- 200 international degree students
- 180 academic staff
- 160 other staff

Faculties

- Business and Culture
- Technology
- Health Care and Social Work
- Food and Agriculture



Mission and vision

PURPOSE OF OPERATION /MISSION

The mission of SeAMK is to increase know-how, competitiveness and welfare.

VISION

International, entrepreneurial SeAMK –
best for our students.

SeAMK's values

ENTREPRENEURIAL SPIRIT

We are constantly searching for new things and experimenting boldly; we are allowed to fail while experimenting, but we never give up. We have an active attitude. We are productive and service-minded.

INTERNATIONALIZATION

We offer our students and staff opportunities for internationalization and promote their ability to act in an multicultural environment. We contribute to the internationalization of our region.

VALUES

SEAMK-SPIRIT

We do things together, and appreciate and care for each other. We operate in an open and interactive way. We share the joy when we succeed together. We are proud of our competence and our University of Applied Sciences.

RESPONSIBILITY

We take responsibility for our students' professional skills and the success of our region. We care about common welfare and the environment. We take responsibility for our actions and encourage students to assume responsibility. We develop our competence and share knowledge with others.



SeAMK Campus



School of Business and Culture

- **Approx. 1 500 students**
- **Bachelor Degree Programmes:**
 - Business Management
 - SME Business Management
 - International Business (in English)
 - Cultural Management: Media, Event and Visual Management
 - Library and Information Services
- **Master Degree Programmes:**
 - Business Competence
 - International Business Management (in English)



School of Food and Agriculture

- **Approx. 800 students**
- **Bachelor Degree Programmes:**
 - Agriculture and Rural Enterprises
 - Food and Hospitality
 - Food Processing and Biotechnology (Food Technology, Meat and Prepared Food Technology)
- **Master Programme:**
 - Development of Agriculture and Rural Enterprises
- **Short Programmes:**
 - From Field to Fork



School of Health Care and Social Work

- **Approx. 1200 students**
- **Bachelor Degree Programmes:**
 - Elderly Care
 - Nursing (also in English)
 - Public Health Nursing
 - Physiotherapy
 - Social Work
- **Master Programmes:**
 - Social Work
 - Development and Management of Health Care and Social Work
 - Advanced Clinical Practitioner



School of Technology

- **Approx. 1 500 students**
- **Bachelor Degree Programmes:**
 - Automation Engineering (also in English)
 - Construction Engineering (Building Construction)
 - Mechanical and Production Engineering (Automotive and Work Machine Engineering, Mechanical and Production)
 - Information Technology (Data Network Technology, Software Engineering, Embedded Systems)
- **Master Programmes:**
 - Construction Engineering
 - Technology Competence Management
 - Master`s Degree Programme in Automation Engineering



SCHOOL OF TECHNOLOGY: ORGANIZATION

Degree programme and RDI teams:

1. Automation and ICT engineering

- Head of degree programme:
Jorma Mettälä

2. Construction engineering

- Head of degree programme:
Marita Viljanmaa

3. Mechanical engineering

- Head of degree programme:
Pasi Junell

4. Research, development and innovation

- Head of RDI team:
Ari Sivula



SeAMK Profile Areas in Research, Development & Innovation (RDI) and Education

- Wellbeing technology supporting transforming societies
- Growth entrepreneurship and business transfers
- Digital manufacturing and industrial internet
- Food safety



SeAMK's Services for Companies and Communities



Research Groups in School of Technology



Digital Manufacturing and Industrial Internet

Sustainable
Digital
Construction

Digital
Factory

Future
Vehicle
Technologies



Allied ICT Finland, unique research-business co-operation

AIF network combines long-term research with medium-term RDI to short-term business needs.

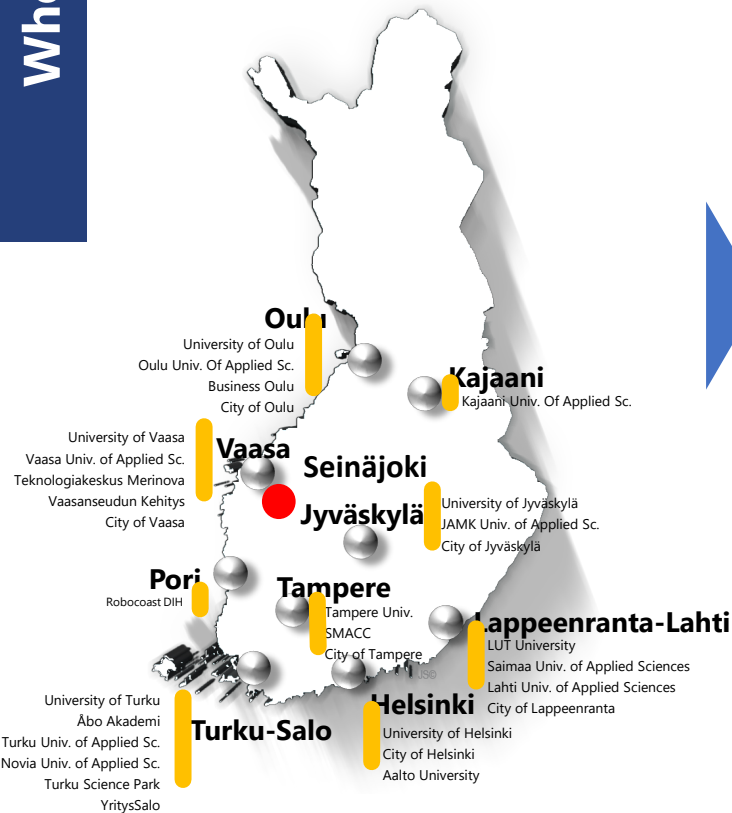
Strategies | Frontiers | Platforms | Partnering



LARGE CO-CREATION NETWORK

- SHORTEN TIME-TO-MARKET from scientific discoveries to commercial availability.
- DEEP TECHNICAL EXPERTISE from AI to wireless via research & company network.
- EASY "ONE-DOOR" ACCESS TO ICT research, programs and companies in Finland.
- ACTION PLATFORMS AND CO-CREATION MODELS for R2B, B2B, PPP.

AIF network Finland's ICT centers



Access to ICT RDI

11 cities and city development hubs

18 research orgs & universities

3000 researchers

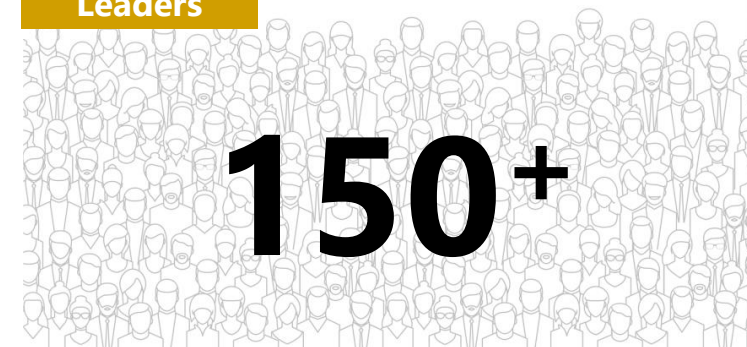
1300 companies in ecosystems

Members



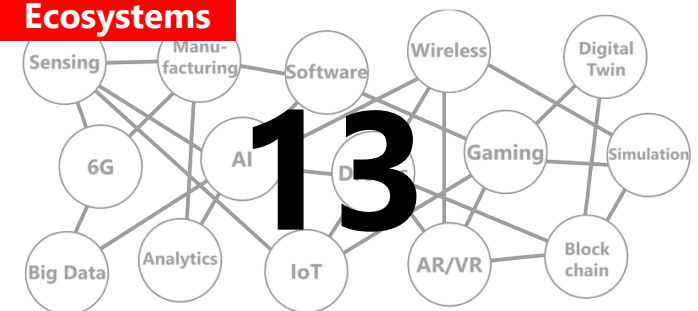
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Leaders



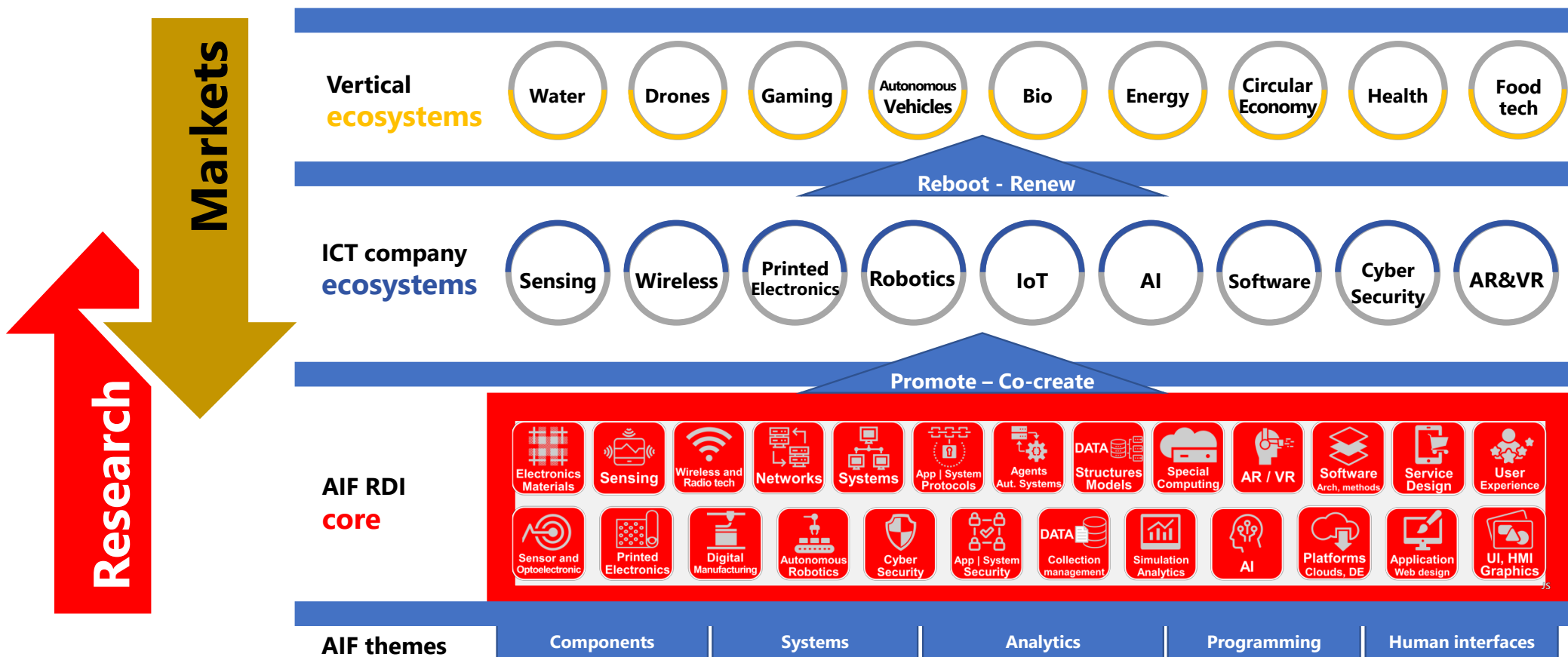
150+

Ecosystems



13

AIF strategies – positioning within research to markets



SCHOOL OF TECHNOLOGY: HIGHLIGHTS

One of highest student satisfaction ratings in Finland

One of highest graduate employment percentages in Finland

Modern laboratories for all degree programmes

Strong network of local companies in close collaboration both in research and education activities

SeAMK Digital Factory research awarded several times, active within several projects, Future Vehicle Technologies research started



SeAMK's International Activities 1/2

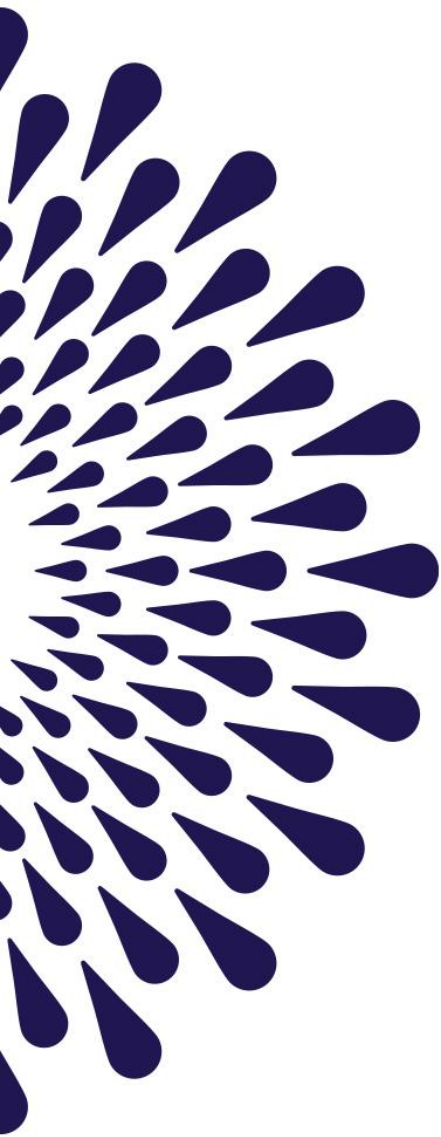
- About 200 Partner Universities in 51 Countries
- International Strategic Networks
- 17 Double Degree Agreements in the fields of business and technology
- Intensive courses, Summer Schools, Winter Schools
- Two bachelor degree programmes (BBA, Nursing) and one master programme (International Business Management) are completely taught in English
- Several one semester programmes and also summer courses are offered in English



SeAMK's International Activities. 2/2

- Half of the students study at one of our international partner universities or conduct their practical training abroad
- Exchange programmes in English (30-60 ECTS) and intensive courses for international and Finnish students
- Each year around 40% of the staff has a mobility period abroad
- 17 Double Degree Agreements in the fields of business and technology
- Intensive courses, Summer Schools, Winter Schools





SeAMK 
SEINÄJOEN AMMATTIKORKEAKOULU
SEINÄJOKI UNIVERSITY OF APPLIED SCIENCES

