



## **Annual General Meeting 2024**

December 5, 2024

§ 1: Establishment of the Voting list:

Any person present receiving salary from institutions who have institutional membership have one vote each (see appendix, page 3, for a list of institutional members). In addition, present individual members have a vote.

§ 2: Approval of the notice to attend the Annual General meeting

§ 3: Approval of the agenda to the Annual General meeting:

§ 4: Election of Chairperson, Secretary, two Meeting Adjusters and two Vote Counters for the Annual General Meeting:

§ 5: The Board's Annual report and the Financial report for the preceding fiscal year  
See page 4 - 20

§ 6: The Auditors' report for the preceding fiscal year  
See page 21

§ 7: Decision on Freedom of liability of the Board for the preceding fiscal year

§ 8: Decision on the budget for the fiscal year July 1, 2024 – June 30, 2025  
See page 22-23

§ 9: Decision on Membership fees for the fiscal year July 1, 2024 – June 30, 2025  
See page 23

§ 10: Election of Board Members  
a) Four Board Members for two years  
b) One PhD student representative for one year

§ 11: Within the elected board:  
a) Election of chairperson for one year  
b) Election of vice chairperson for one year

§ 12: Election of a Nominating Committee of at least two members for one year

§ 13: Election of two auditors and one deputy auditor for one year

§ 14: Bills

No bills have been presented

§ 15: Motions

No motions have been presented

§ 16: Other issues

## Appendix:

### Institutional Members of ScAIEM, 30.6.2024 (26 members)

#### Denmark

- Technical University of Denmark, Department of Engineering Technology and Didactics
- University of Southern Denmark, Department of Technology and Innovation

#### Finland

- Aalto University, Department of Industrial Engineering and Management.
- Tampere University, Department of Industrial Engineering and Management
- Lappeenranta-Lahti University of Technology LUT, Department of Industrial Engineering and Management
- University of Oulu, Department of Industrial Engineering and Management
- University of Turku, Department of Technology and Management
- Åbo Akademi, Laboratory of Industrial Management

#### Iceland

- University of Iceland, Department of Industrial Engineering

#### Norway

- Norwegian University of Science and Technology (NTNU), Department of Industrial Economics and Technology Management
- University of Southeast Norway, Department of Industrial Economics
- University of Agder, Department of Working Life and Innovation

#### Sweden

- Chalmers University of Technology, Department of Technology Management and Economics
- Dalarna University, School of Information and Technology
- Halmstad University, School of Business, Innovation and Sustainability
- Jönköping University, Department of Industrial Engineering and Management
- Karlstad University, School of Business
- KTH Royal Institute of Technology, Department of Industrial Economics and Management
- Linköping University, Department of Management and Engineering
- Luleå University of Technology, Department of Business Administration, Technology and Social Sciences
- Lund University, Department of Industrial Management and Logistics
- Mid Sweden University, Department of Information Systems and Technology
- Mälardalen University, School of Business Society and Engineering
- University of Gävle
- Uppsala University, Department of Engineering Sciences
- Örebro University, School of Science and Technology

### Individual members of ScAIEM, June 2024:

- none



# Annual Report

## July 1st, 2023 - June 30th, 2024

### Background

The aim of the Scandinavian Academy of Industrial Engineering and Management (ScAIEM) is to strengthen academic education and research within the field of Industrial Engineering and Management (IEM) in Denmark, Finland, Iceland, Norway, and Sweden.

ScAIEM was founded in Linköping, November 28, 2012. Based on the experience from earlier Swedish national conferences, there was a strong consensus about the need for an organized professional community for scholars working within the fields of industrial engineering, technology management, business creation, etc., at the faculties of engineering in the Nordic countries.

### Activities of 2023-2024

ScAIEM is organizing all major Nordic departments within the IEM-field; today the academy gathers 26 departments, representing more than 650 faculty and PhD students in the five Nordic countries. We hope for some more incoming members in the near future.

ScAIEM constitutes a network representing our own professional expertise and identity. The annual ScAIEM conference is a key event during the academic year and there are increasing informal contacts and knowledge sharing between the ScAIEM members.

During 2024 the Swedish Higher Education Authority and Statistics Sweden have formally recognized *Industrial Engineering and Management* (Swe: “industriell ekonomi”) as an engineering research subject (under Mechanical Engineering) in the national statistics. This decision is the direct result of ScAIEM’s activities to make IEM gain recognition and status as an academic field in its own right at the intersection between technology and management. The intention is to continue this work in the other Nordic countries, as well as on a European level.

During the academic year of 2023-24, the board of ScAIEM has continued our academic networking activities, now comprising the following:

- *The ScAIEM Annual Conference*
- *The ScAIEM homepage*
- *The Young Scholars of ScAIEM network*

- *The Head of Department Summit*
- *The PhD Candidate Workshop*
- *The IEM Program Director Council*
- *The Head of Doctoral Education Council*
- *The SCAIEM Doctoral Thesis Award*
- *The Seed Money Grant for Nordic IEM Collaboration*
- *The SCAIEM Teaching Achievement Award*

Overall, SCAIEM are today organizing several thriving arenas and activities. However, one of our most significant challenges is still to find ways to reach out with information to all the scholars of our institutional members.

In addition, the board welcomes all ideas of initiatives that can further strengthen our professional community.

## Governance

### Board

The SCAIEM board has had the following members since the Annual Meeting, November 2023:

- Mats Engwall,  
KTH Royal Institute of Technology (chairperson), elected to the annual meeting 2025
- Christine Ipsen,  
Technical University of Denmark, (vice chairperson, secretary), elected to the annual meeting 2024
- Arild Aspelund, Norwegian University of Science and Technology, (seed money grant), elected to the annual meeting 2025
- Toumas Ahola, Tampere University, (PhD thesis award, teaching achievement award) elected to the annual meeting 2025
- Eskil Sönju Le Buyn (Goldeng) (communications),  
University of South-Eastern Norway, elected to the annual meeting 2024
- Mathias Henningsson  
Linköping University, (treasurer, PhD thesis award, teaching achievement award), elected to the annual meeting 2024.
- Gudmundur Valur Oddson,  
University of Iceland (seed money grant), elected to the annual meeting 2024.
- Lovisa Annerwall,  
Mälardalen University (PhD student representative), elected to the annual meeting 2024

The board has had ten board meetings during the fiscal year of 2023-2024 of which eight was held online (December 7<sup>th</sup>, 2023, March 6<sup>th</sup>, 2024, May 2<sup>nd</sup>, 2024, June 4<sup>th</sup>, 2024, September 18<sup>th</sup>, 2024, October 2<sup>nd</sup>, 2024, and 9<sup>th</sup>, 2024 and November 11<sup>th</sup>) and two meetings on location in Stockholm, January 15<sup>th</sup>-16<sup>th</sup> 2024, and at Chalmers, August 19-20<sup>th</sup> 2024. Minutes have been taken at all meetings and are available to all board members.

## Administration

ScAIEM has its administrative basis at the Institute of Management of Innovation and Technology (IMIT), situated in Gothenburg, Sweden. IMIT is a Swedish, non-profit foundation with the aim to pursue and promote research and development, as well as education, in technological and industrial renewal and management ([www.IMIT.se](http://www.IMIT.se)).

IMIT hosts the ScAIEM website and supports with invoicing, accounting, and financial reports, as well as general competence and administrative resources. In addition, IMIT has sponsored the ScAIEM-conferences since the Swedish conferences started in 2009.

Invoices to ScAIEM should be addressed:

Stiftelsen IMIT  
Project: ScAIEM  
41296 GÖTEBORG

All common documents and files of ScAIEM are archived at a ScAIEM Google drive site.

Initiatives have been taken to document and gather the administrative procedures of ScAIEM in an administrative handbook. This work is ongoing.

## Marketing and External Communication

### Home Page

The ScAIEM homepage ([www.scaiem.org](http://www.scaiem.org)) went through a major update in the academic year 2016-17. The design of the page has been somewhat outdated and needed reorganizing. The development of the webpage has been incremental the past years, only smaller changes have been implemented. The backend solution/admin tool of the current site is not optimal, but the flexibility is ok. A new website has been launched but is not running as planned yet. We are working on this. The aim with the new version is to get a website with a cleaner, tidier, and easier layout that is easier to update, change and navigate. In addition, the plan is to implement an easily accessible archive of previous events, and a news section. In short, the user interface and backend of the website is going to be renovated.

ScAIEM is in control of the following web-domains: *scaiem.se*, *scaiem.dk*, *scaiem.fi*, and *scaiem.no*. The web-domain *scaiem.org* is currently redirected to *scaiem.se*.

### Facebook

A Facebook group was created at the 2016 conference. As of November 2023, the page has 295 followers. Among our followers we have 41% women and 61% Swedes, 21% of the followers were from Stockholm or Gothenburg. In addition to the geographical domain of our community, we also have followers from France, Italy, Mexico, Germany, Serbia, and UK. 7,5% of our followers are from outside the geographical domain of our community.

Usually, between 80 and 200 persons are reached through a typical post, but during the conferences the numbers are typically much higher. The posts from the conference at KTH in Stockholm reached between 500 and 2,100 persons. During the last year our posts reached just short of a hundred persons on average. The reason for the spikes is probably that people are liking

and sharing the posts. Consequently, we encourage our members to like the posts to help them gain traction.

*Please visit, like, and follow at <https://www.facebook.com/scaiem>, and develop and keep in touch with the IEM-community by posting any discussion topic or event that you feel are relevant.*

### LinkedIn

The previous LinkedIn group of ScAIEM (<https://www.linkedin.com/groups/7418915/>) has not been widely used for several reason. Consequently, we have established a new public group at LinkedIn:

<https://www.linkedin.com/groups/9882150/> (our new LinkedIn group)

### Google

As a part of our efforts to keep our academic community updated about our activities and ease the administration of our network, we have migrated to Google. By using the services from Google, we can maintain the GDPR validated register of emails used to contact all our members, and we have space for an extensive archive of documents, pictures and other digital material available to the board.

An email archive is maintained on our Google account, where all the emails associated with ScAIEM's activities can be accessed for the current and future boards. Currently, 524 email addresses are registered in the system, and are used for getting in touch with the members of our community. The number of emails can also be viewed as a proxy for the interest in our community; they are not evenly distributed across institutions (KTH is the largest), but the average is approximately 20 per institution. The main purpose of the register is to reach our members with information about our most important activities.

The Google account of ScAIEM is protected with a two-step verification, meaning that anyone who wants access to the account needs both the password of the account, and login information that is sent by SMS to a dedicated phone upon request.

The name of the ScAIEM Google account is [scaiem.info@gmail.com](mailto:scaiem.info@gmail.com).

*Announcements about PhD courses and vacant positions on the webpage are free for all members. The announcements can also be posted on our Facebook page for free.*

## Membership

ScAIEM have 26 institutional members. During the year, Aalborg has decided to leave ScAIEM but Turku University and Dalarna University have entered. Thus, all the leading IEM-institutions in the Nordic region are members of ScAIEM. However, there are still a small number of institutions, especially in Sweden, that remain to be recruited. At present, the distribution is as follows.

- Denmark: 2 institutional members.
- Finland: 6 institutional members.

- Norway: 3 institutional members.
- Sweden: 14 institutional members.
- Iceland: 1 institutional member.

## **The ScaIEM Annual Conference 2023**

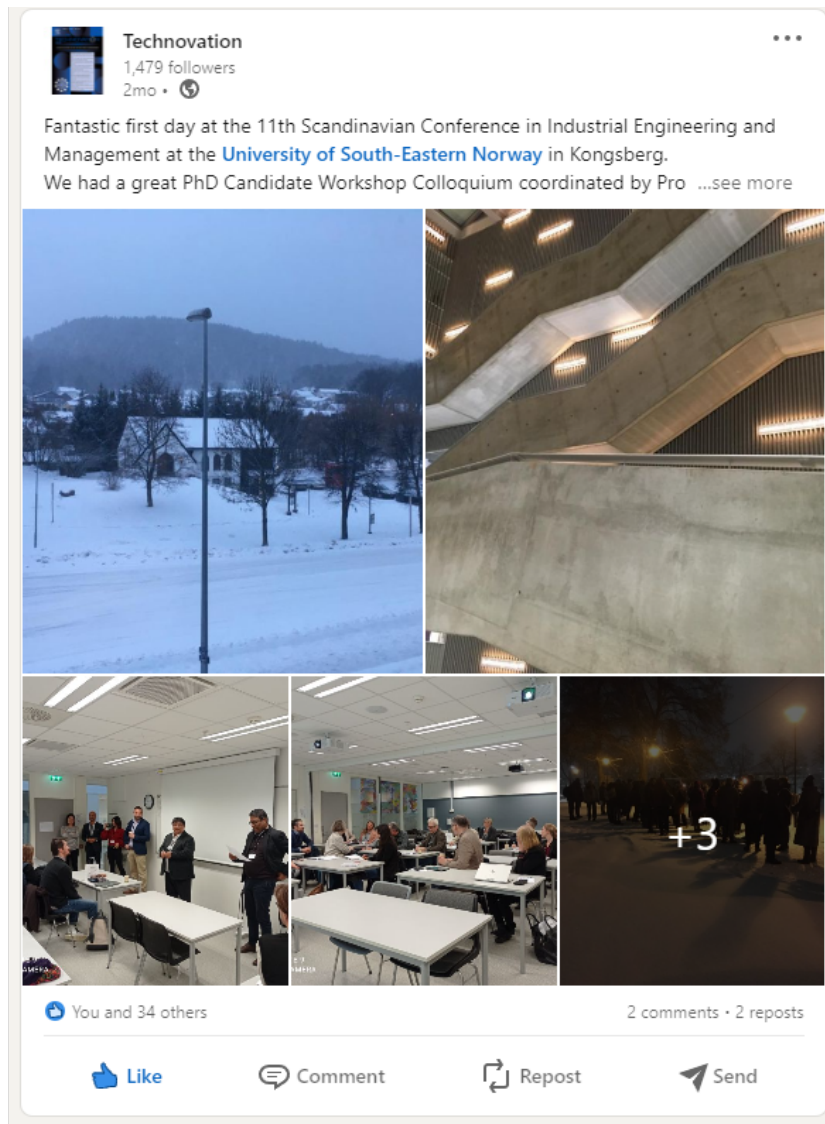
(From the conference organizers at USN)

The annual ScaIEM conference 2023 was hosted by the University of South-Eastern Norway (USN), Kongsberg Campus from 29 November to 1 December 2023. The conference gathered participants in total, from 12 countries, and 50% new ScaIEM members.

Themed "Innovation and Technology for a Better World," the event provided a forum for thought leaders, scholars, and practitioners to explore and deliberate on the role of industrial engineering and management in creating a positive impact on society. The conference exceeded expectations in promoting a vision of industrial engineering and management as a force for positive change. It showcased the transformative potential of innovation and technology in addressing pressing societal challenges and emphasized the responsibility of the industrial community to contribute to a better world.

It was an honor for us at USN Business School to be invited to host ScaIEM 2023 at our Campus in Kongsberg City. We launched our conference theme, calls for sessions and vision at ScaIEM 2022, at Uppsala University, and this was the start of our 13-month project to host an excellent conference, in line with ScaIEM's mission.

We were proud to showcase all that Kongsberg has to offer in terms of both industry collaborations, multinational faculty and students and academic excellence within the IEM framework. The goal was to offer innovative developments to the ScaIEM conference framework by including an extended involvement from industry, by extending our call for sessions, tracks, round tables to over 700 scholars and practitioners throughout Scandinavia and the whole of Europe. Our priority was to meet the call for a strategic focus on both pedagogical and scholarly discussions, and with an increased focus on international post conference publication opportunities. The social media impact was impressive with members sharing posts to thousands of followers- here is one example of a LinkedIn media story:



On behalf of the organizers, we offer some post-conference insights and suggestions which delegates shared with us, as take homes:

*Summary recommendations from conference participants*

- Please have a manned cloakroom luggage storage room during the conference
- Please develop labeling of the food with even larger labels on all plates for allergies
- Please consider different pricing- for example a price with dinners included and a price with no dinners included (for example PhDs: 900 with no dinners, 1,900 with dinners)
- Continue with IT support in each room, with clickers to loan.
- Use the ScaIEM manual and international teams for conference planning.

*Summary recommendations from organizing committee*

- Ensure extended sponsorship funding so that the conference income covers all conference costs (USN covered approximately 30 000 NOK of direct costs).
- Continue with international collaborations for ScaIEM growth, especially for track chairs and guest editors. Critical for the growth and sustainability of ScaIEM and IEM that we have stronger community involvement and citizenship.
- Continue with different key themes, such as ‘pedagogics’ and ‘research’, both are critical, and both can develop calls for publications post ScaIEM for career growth

- Continue with sustainability focus, both in terms of mission-based research and the conference offerings of food and beverages from local producers, eco-packaging, digital program, etc.
- Continue with student hospitality and IT support teams, with certificates for work experience and continue developing key notes from industry
- Market SCAIEM to a greater degree as this is the task of the host university. Keep registration deadlines for smooth booking logistics for over 200 people with meals, hotels etc. (avoid multiple registration deadlines which cause great logistic challenges).

*Summary recommendations from scientific committee*

- Continue with post-conference survey. We learnt a lot from valuable feedback with 98% high satisfaction and very useful insights for future conferences.
- The international nature of the conference was evident through the diverse range of perspectives shared, reflecting a commitment to addressing global challenges through collaborative initiatives.
- The conference has shown to facilitate extensive opportunities for collaboration and networking, fostering connections between academia, industry professionals, and researchers from diverse backgrounds.
- Engage poster sessions and hands-on workshops to provide a platform for participants to share research findings, exchange ideas, and actively contribute to the interactive nature of the conference.

## **The Young Scholars of SCAIEM**

*The Young Scholars of SCAIEM* aims to enhance professional exchange between young scholars (e.g., PhD students, post-docs, and other junior researchers) in the Nordic countries in the field of Industrial Engineering and Management. Young Scholars of SCAIEM started to take its shape after the SCAIEM conference 2017, in which its agenda was officially introduced.

During the academic year of 2023-2024 the activities of the Young Scholars of SCAIEM were organized by the PhD student representative in the SCAIEM board and volunteering Young Scholars.

### **Spring workshop for Young Scholars of SCAIEM**

The 8<sup>th</sup> Young Scholars of SCAIEM Workshop was organized on 11-12 of April 2024, on campus at KTH Royal Institute of Technology (KTH), Stockholm, Sweden. This year was the second time the Young Scholars workshop was arranged as a 2-day event, following feedback given at previous workshops. As previous year, the workshop pre-started with an unofficial dinner at participant's own expense on the 10<sup>th</sup> of April.

The aim of the event was to invite young scholars to participate in a workshop to present their research, receive feedback, review work of others and expand their professional network. There was also a wish to inspire the young scholars with future career paths and a half-day was arranged where alumni from KTH's doctoral program were invited. The graduates presented their view of their time as a PhD student, discussing the learnings and formulated advice for current PhD students.

SCAIEM received 16 submissions to participate in the workshop and after some withdrawals the total amount of participants was 14. This year's workshop attracted PhD students and no recent graduates. All 14 of the participants participated with a full paper manuscript or research proposal to conduct and receive a friendly review. The number of participants was manageable

in terms of planning and execution of workshop, finding the right facilities, restaurants, schedule, participating faculty members, and more.

ScAIEM offered reimbursement for the travel expenses (i.e., flights, train ticket, hotel). The reimbursement was granted up to 250 euros and required active attendance in the workshop. The number of applicants that were offered reimbursement in the spring was 10 people.

The first day of the workshop started with a welcome to KTH and introduction to ScAIEM. Then the large part of the day was allocated to paper presentations. The participants were divided into two groups of seven people. Each participant presented their work and reviewed one other paper. Each presenter was also paired with a senior faculty giving feedback to the PhD student. In total seven senior scholars from KTH (6) or other universities (1) participated in this part of the workshop. With the small groups of seven students each, the reserved time between 10:00 and 14:30 for the presentations and discussions of the participants' work was enough. After the paper presentations, the participants were given a guided tour of the KTH Campus, its art and architecture. The first day ended with dinner at a restaurant in Stockholm, sponsored by ScAIEM. Lunch and coffee during the event were sponsored by KTH.

The second day started with some reflections on the first day, before engaging in a 2-hour session with invited KTH alumni from industry, discussion future career paths. The second day ended with a 30-minute wrap up with reflections and some general discussions about the workshop, where information was given about upcoming ScAIEM arrangements.

Overall, the 2-day workshop went well and was full of discussion on various research topics within IEM. Many participants appreciated the workshop being two days and suggested to keep this. This is especially important for the social aim of networking and extending the ScAIEM community. The participants found the atmosphere friendly and positive, and they are looking forward to participating in future ScAIEM events.

The workshop acts as a platform to introduce young scholars to ScAIEM and keep them informed about future ScAIEM events. Many of the participants of the Spring workshop take part in the PhD workshop organized in connection with the ScAIEM Annual Conference.

### **Plans for the future**

A suggestion is to keep the Spring workshop as a physical 2-day event as this has been well received the last two years, with an increased number of applications (compared to 2022 and earlier). The study visit arranged in 2023 and the alumni session in 2024 were both appreciated. The general suggestion for the future is to keep arranging this type of industry session during the workshop, preferably a half-day.

To attract participants, it is important to reach out early and communicate about the workshop. New scholars are best reached through their senior colleagues and supervisors, and others who have participated in ScAIEM events previously.

### **Reimbursement for the participation at ScAIEM Annual conference**

ScAIEM offers reimbursement for the travel expenses (i.e., flights, train ticket, hotel) in connection to the annual conference, this year in Kongsberg, Norway. The reimbursement was granted up to 500 euros and required active attendance in the PhD workshop. The number of applicants that were offered reimbursement for the annual conference was 7 people.

## ScAIEM Doctoral Thesis Award

The overarching aim of the ScAIEM Doctoral Thesis Award is to foreground high-quality research in Industrial Engineering and Management to show both the depth and the breath of the field, as well as its societal relevance. The award foregrounds different elements that make a thesis outstanding and that are required for producing high quality research. Examples are originality, relevance, collaboration with other researchers, creativity, collaboration with industry and societal actors and high-quality empirical work. Consequently, the award highlights a doctoral thesis that is an excellent example of research work within the ScAIEM community.

The ScAIEM Doctoral Thesis Award committee was composed by:

- Mathias Henningsson, Linköping University, Sweden
- Tuomas Korhonen, Tampere University, Finland
- Kathrin Kirchner, DTU, Denmark
- Jonas A. Ingvaldsen, NTNU, Norway

The committee had the privilege of reviewing five nominated theses. After careful consideration, we shortlisted three outstanding contributions:

- Parinaz Farid (NTNU), *Understanding program managers leading value creation in change programs: Taking content, context, and competencies into account.*
- Sotiria Lagouvardo (DTU), *Market-Based Measures for Sustainable Shipping.*
- Armaghan Chizaryfard (KTH), *The Industrial Transformation Towards the Circular Economy: Dynamics, Drivers and Constraints.*

This year, the committee has chosen to give the ScAIEM Doctoral Thesis Award to Armaghan Chizaryfard for her remarkable work. Her thesis, successfully defended at both KTH and Politecnico di Milano, explores companies' transition towards the circular economy, a crucial topic that has gained significant attention in industrial development discussions in recent years. Investigating the dynamics of transformation processes, the thesis explores the challenges, opportunities and tensions facing incumbent systems, including path dependencies and lock-ins.

The theoretical contributions of her thesis are twofold: First, it offers an evolutionary framework for examining circular transformation processes, not only from an ecological perspective but from a management standpoint, and second, it provides a comprehensive analysis of supply-chain transformations in the circular economy.

In her empirical work, Armaghan has explored the transition from lead-ion batteries to lithium-ion batteries in electric vehicles. Her research has already resulted in publications in four journals and has gained considerable attention. The committee congratulates Armaghan for her outstanding contribution to the field.

## ScAIEM Teaching Award

The ScAIEM Teaching Award 2023 went to

- The Project Business Research Team at IEM Research Unit of University of Oulu

Over the past few years, Project Business Research Team at IEM research Unit of University of Oulu has actively developed digital game-based solutions to teach project management. As a result of this work, a virtual game-based platform called the Project Business Game was created. This scalable platform enables the creation and configuration of various educational games for project management (and for other industrial engineering and management) teaching purposes. The team has developed this digital platform, and its solutions based on their extensive project management research.

The development of Project Business Game was fueled by the enthusiasm of Prof. Jaakko Kujala, Assoc. Prof. Kirsi Aaltonen, Dr. Jere Lehtinen and Dr. Elina Jääskä to devise new and inspiring ways to teach project management. The development work has been multidisciplinary, involving experts from industrial engineering and management and educational and information sciences. The team has also engaged our students in developing the various game solutions and gathered feedback systematically from the implementations. Students reported that game-based solutions helped them grasp complex project management methods, facilitated the application of theoretical knowledge in practice, and made learning more enjoyable.

Furthermore, as part of the development work, the team has conducted research on the impact of educational games on teaching, learning and motivation. As part of this research, a doctoral dissertation of Elina Jääskä was completed.

The work of this team serves as an inspirational example of a long-term, dedicated teaching activity that embodies the practice of integrating the latest research findings into education while providing world-class education in the digital realm.

## **ScAIEM Seed Money Grant to Enhance Nordic IEM Collaborations -**

In 2019, ScAIEM initiated a new initiative to offer *seed money* to facilitate collaboration across Scandinavian IEM scholars. The purpose is to initiate and increase collaboration, for example, in the form of short research exchange to generate ideas and activate new projects or papers; preparation of bigger joint funding applications (e.g., EU); co-authoring joint scientific papers, or books.

During the Spring of 2023, the board called for new proposals. We received eight applications, all from ScAIEM institutional members, and the grant was given to:

- Adam Uhrdin KTH, Sweden and Esko Hakanen Aalto University, Finland.

## **The ScAIEM PhD Course**

At the ScAIEM conference 2022, two team of ScAIEM scholars were awarded grants to design new PhD courses in IEM. One of these courses “Responsible organizing and managing hybrid-work – The way forward” was run in May 2024. The course team included the following faculty:

- Professor Christine Ipsen, DTU Engineering Technology Denmark (responsible)
- Associate Professor Kathrin Kirchner, DTU Engineering Technology, Denmark
- Senior Researcher Kasper Edwards, DTU Engineering Technology, Denmark
- Professor Emeritus, Per Anker Jensen, DTU Engineering Technology, Denmark

- Professor Thomas Lennerfors, Uppsala University, Sweden
- Researcher Simon Okwir, Uppsala University Sweden
- Professor Lucia Crevani, Mälardalen University, Sweden
- Senior Researcher Britta Nordin Forsberg, Mälardalen University Sweden
- Associate Professor Ola Edvin Vie, NTNU, Norway

The online-only PhD course invited students from IEM and related fields to exchange knowledge and learn from each other and Scandinavian faculty in relation to management, hybrid-work, digital technologies, change management, organizational behavior etc. The three-day course introduced core theories and models for hybrid-work, from understanding the drivers for hybrid-work, the effect on people, work design and performance, how to create proximity and virtual collaboration using new technologies and emerging challenges. Throughout the course, participants worked with their own research and applied theories and models to analyze and make recommendations with the concern for how to manage and organize responsibly both people and performance when introducing new technologies in the workplace. In particular, the following topics were discussed:

- Hybrid-work – advantages and disadvantages
- Virtual collaboration and use of new technologies
- Technological domain – ICT and built environment for hybrid work
- Ethical issues of using new technologies in the workplace
- Organization and leadership
- Well-being, Macro-ergonomics, and Organizational Design
- Academic writing

The original plan was to run the course during spring 2023, but with only a few registered participants, the team decided to postpone the course to later. The course lecturers decided to co-author a chapter about implementing hybrid work and new ways of working. The chapter is part of the book: “Humanizing the Digital Workspace” (In press), edited by Marko Orel (Publisher: Springer Nature).

## Financial statement (Year 2023.07.01-2024.06.30)

Income statement covers membership fees and costs for the period 2023.07.01-2024.06.30.

### Income statement for the period ended 30 June 2024

| <i>Item</i> | <i>Information</i>                           | <i>SEK</i>             |
|-------------|----------------------------------------------|------------------------|
|             | <b>Income</b>                                |                        |
| 1.          | Institutional membership fees (24 members)   | 279.249,80             |
| 2.          | Unsecured claim (membership not paid)        | 23.280,00 <sup>1</sup> |
| 3.          | <i>Total gross income</i>                    | <b>302.529,80</b>      |
|             | <b>Expenses</b>                              |                        |
| 4.          | Web page expenses                            | 1.291,75               |
| 5.          | Board travel costs                           | 58.826,45              |
| 6.          | Project costs                                | 247.345,18             |
|             | Branding & Marketing                         | 3.811,68               |
|             | Young scholars of ScAIEM network             | 47.141,04              |
|             | ScAIEM Conference support                    | 26.755,46              |
|             | ScAIEM Annual Thesis Award                   | 69.637,00 <sup>2</sup> |
|             | Seed Money for Joint Nordic research 2023/24 | 50.000,00 <sup>2</sup> |
|             | PhD-Courses                                  | 50.000,00 <sup>2</sup> |
| 7.          | Administrative costs                         | 45.914,64 <sup>3</sup> |
| 8.          | <i>Total expenses</i>                        | <b>353.377,02</b>      |
| 9.          | <b>Net surplus (+) / deficit (-)</b>         | <b>-50.847,22</b>      |

### Balance sheet on 30 June 2024

| <i>Item</i> | <i>Information</i>                          | <i>SEK</i>             |
|-------------|---------------------------------------------|------------------------|
|             | <b>Assets</b>                               |                        |
| 10.         | Cash at IMIT Account                        | 692.458,61             |
| 11.         | Unsecured claim                             | 23.280,00 <sup>1</sup> |
| 12.         | <i>Total assets</i>                         | <b>715.738,61</b>      |
|             | <b>Equity</b>                               |                        |
| 13.         | Annual Conference Guarantee Fund            | 100.000,00             |
| 14.         | Surplus brought forward                     | 543.736,35             |
| 15.         | Net surplus of the year                     | -50.847,22             |
|             | <b>Liabilities</b>                          |                        |
| 16.         | Project in progress (seed money, PhD-award) | 122.389,48             |
| 17.         | <b>Total Equity and Liabilities</b>         | <b>715.738,61</b>      |

1. Two memberships not paid 2023/24
2. The seed money, the PhD course, one salary for PhD award committee not paid out 2023/24 but included here as a cost for this year.
3. Higher administration cost since it is based on percentage of the expenses.

## The ScAIEM Years in Summary

### 2009

- The first Swedish academic national conference (Swe: “ämneskonferens”) in Industrial Engineering and Management (“industriell ekonomi”) INDEK 2009, was organized at KTH Royal Institute of Technology in Stockholm, November 26-27. Almost 100 attendees.

### 2010

- The Swedish national conference INDEK 2010 is organized at Chalmers University of Technology, November 11-12

### 2011

- The Swedish national conference INDEK 2011 is organized at Blekinge Institute of Technology, 10-11 November.
- The first IMIT PhD Student Poster Competition is launched.

### 2012

- *ScAIEM* is founded in Linköping, November 28, and announced at the Swedish national conference INDEK 2012 at Linköping University, November 29-30.

### 2013

- First board meeting of ScAIEM, January 23, at KTH in Stockholm.
- Formation of the board and administrative routines.
- Establishment of the cooperation with IMIT.
- Establishment of web-domains, development of web page, etc.
- Marketing of ScAIEM and the idea of a Scandinavian community of IEM institutions and scholars.
- First ScAIEM conference with all-Scandinavian attendance, Lund 27-29 November.

### 2014

- Invitation letter to potential institutional members in Scandinavia., February.
- *Åbo Akademi*, Turku, becomes the first paying member of ScAIEM, March.
- The Finish Doctoral *Arctic Workshop*, organized since 20 years, merges with ScAIEM, and is organized as a PhD workshop November 17, the day before the main ScAIEM-conference.
- *ScAIEM Conference* at Aalto University, November 18-19.
- ScAIEM has 15 institutional members, representing all major programs in the field in Scandinavia and approximately 350 scholars.

### 2015

- *ScAIEM Conference* at the Technical University of Denmark, November 18-20.
- The first Annual General Meeting is held on November 19.
- The first ScAIEM PhD-course is organized by LTU.

### 2016

- *Industriell ekonomi* (Industrial Engineering and Management) becomes formally recognized as a subfield in the field of Other Mechanical Engineering in the Swedish national statistics (SCB), September 2016.

- SCAIEM has 21 institutional members, representing all major institutions and approximately 550 scholars in the IEM-field in the Nordic countries.
- SCAIEM Conference at Luleå Technical University, November 28-30
- First *SCAIEM Head of Department Summit* meeting for IEM Heads of Departments is organized on November 28, the day before the main SCAIEM conference.
- First *SCAIEM IEM Program Directors Council* is organized on November 28, the day before the main SCAIEM conference.
- The *SCAIEM conference* grows with various pre-conference activities, e.g. the workshop on *Space Innovation* in Kiruna, November 25-26.

## 2017

- *SCAIEM Young Scholars Network* is established to enhance the professional exchange between Nordic PhD students and junior scholars in the field of IEM.
- The *SCAIEM website* is totally upgraded.
- Adjustment of the statutes: change of fiscal year and the addition of a PhD student representative at the Board.
- Logotype competition for IEM students.
- SCAIEM continues to grow and has 24 institutional members, representing approximately 600 IEM scholars.
- *SCAIEM Conference* at NTNU, Trondheim, November 27-29
- The second SCAIEM PhD-course is organized by LTU.

## 2018

- The SCAIEM logotype and graphical profile is established.
- The second *Spring Workshop* of the Young Scholars of SCAIEM was organized at Chalmers in April 2018.
- The *SCAIEM Doctoral Thesis Award* is established with a prize SEK 25,000: -
- SCAIEM starts to financially support candidates' participation in the SCAIEM PhD Candidate Workshop
- A mapping project identifying all educations in Industrial Engineering and Management within the Nordic countries is executed.
- *SCAIEM Conference* at University of Oulu, November 26-28

## 2019

- Instituting the *SCAIEM Seed Money Grant for Joint Nordic IEM Research*
- An interactive homepage with all Nordic IEM educations is established.
- The third Spring Workshop of the Young Scholars of SCAIEM was organized at Aalto University in April 2019.
- *SCAIEM Conference* at KTH Royal Institute of Technology, Stockholm, October 14-16
- *First SCAIEM Head of Doctoral Education Council* is organized on October 14, the day before the main SCAIEM conference.
- First draft of a SCAIEM Conference Handbook is produced.

## 2020

- The Covid-19 pandemic strikes the world and affects the SCAIEM activities negatively.

- *ScAIEM Conference 2020* is organized as a one-day on-line conference due to the pandemic, November 16, Technical University of Denmark, Copenhagen
- A mapping project identifying PhD educations in Industrial Engineering and Management within the Nordic countries is executed.

## 2021

- The ScAIEM activities are maintained, despite the global Covid-19 pandemic.
- Survey of challenges and collaboration possibilities in PhD educations in Industrial Engineering and Management within the Nordic countries is executed.
- *ScAIEM Conference 2021* is organized as a two-days on-line event due to the pandemic, November 18-19, Technical University of Denmark, Copenhagen.

## 2022

- The Covid-19 pandemic continues to hold a grip of our community during the winter/spring of 2022.
- The first call for funding *ScAIEM IEM Doctoral Courses*.
- The first *ScAIEM Conference Handbook* is published.
- An update of the mapping of Industrial Engineering and Management programs within the Nordic countries is executed.
- *ScAIEM Conference 2022* is back in real life and as a three-day conference, November 16-18, organized by Uppsala University.

## 2023

- *ScAIEM Young Scholars Network's* Spring workshop is for the first time organized as a two-day event. Organized by Mälardalen University, Sweden.
- *ScAIEM IEM Winter Course on "Sustainable Energy Transitions - Technology and Management Perspectives* is organized" by KTH, DTU, NTNU, and LiU.
- The *ScAIEM Teaching Achievement Award* is established.
- *ScAIEM Conference 2023* is organized by University of South-Eastern Norway, Kongsberg, Nov 28- Dec 1, 2023
- ScAIEM has 25 institutional members.

## 2024

- ScAIEM's new website is launched
- *ScAIEM Conference 2024* is organized by Chalmers University of Technology, Dec 4-6, 2024
- *Industrial Engineering and Management* (Swe: *Industriell ekonomi*) is upgraded from a "subfield" to a "subject" under Mechanical Engineering within the *Swedish National Statistics* of research subjects
- ScAIEM has 26 institutional members.

## Conferences Since 2009

### Swedish INDEK-Conferences:

- 2009, November 26-27, KTH Royal Institute of Technology, Stockholm
- 2010, November 11-12, Chalmers University of Technology, Gothenburg
- 2011, November 10-11, Blekinge Institute of Technology, Karlskrona
- 2012, November 28-30, Linköping University, Linköping

### ScAIEM-Conferences:

- 2013, November 27-29, Lund University, Lund
- 2014, November 17-19, Aalto University, Helsinki
- 2015, November 18-20, Technical University of Denmark, Copenhagen
- 2016, November 28-30, Luleå Technical University, Luleå
- 2017, November 27-29, Norwegian University of Science and Technology, Trondheim
- 2018, November 26-28, University of Oulu, Oulu
- 2019, October 14-16, KTH Royal Institute of Technology, Stockholm
- 2020, November 16, Technical University of Denmark, Copenhagen (internet)
- 2021, November 18-19, Technical University of Denmark, Copenhagen (internet)
- 2022, November 9-11, Uppsala University, Uppsala
- 2023, November 28-December 1, University of South-Eastern Norway, Kongsberg
- 2024, December 4-6, Chalmers University of Technology, Gothenburg
- 2025, University of Iceland, Reykjavik (planned)
- 2026, Tampere University (planned)

### ScAIEM Annual Thesis Award

- 2018, *Dr. Kajsa Ahlgren Ode*, Department of Design Sciences, Lund University, with the thesis “Travelling Business Models”.
- 2019, *Dr. Lotta Lind*, Department of Industrial Engineering and Management, Lappeenranta-Lahti University of Technology LUT with the thesis “Identifying working capital models in value chains: Towards a generic framework”.
- 2020, *Dr. Helle Lohmann Rasmussen*, Department of Management, Technical University of Denmark, with the thesis: “Integrating operational knowledge in design of new buildings to improve facility performance: A comparative study of building and large ship projects”.
- 2021, *Dr. Christine Große*, Mid Sweden University, Sweden, with the thesis “Towards Systemic Governance of Critical Infrastructure Protection: State and Relevance of a Swedish Case”.
- 2022, *Dr. Helena Fornstedt*, Uppsala University, Sweden, with the thesis “Innovation Resistance: Moving Beyond Dominant Framings”.
- 2023, *Dr. Armaghan Chizaryfard*, Department of Industrial Economics and Management, KTH Royal Institute of Technology, Sweden with the thesis “The Industrial Transformation Towards the Circular Economy: Dynamics, Drivers and Constraints”

### ScAIEM Seed Money Grant

- 2019 *DTU-Aalto collaboration* focusing on digitalization of knowledge work
- 2020 *DTU-KTH collaboration* focusing on integrating virtual worlds into online learning.
- 2021 a) *NTNU-Uppsala-Aalborg collaboration* (Poul Andersen, Susanne Åberg, and Andreea Bujac) with the aim to develop a special issue on sustainable branding.
- 2021 b) *Lund-Mälardalen collaboration* (Kajsa Ahlgren Ode and Silvia Bruzzone) on co-writing articles and apply for joint funding around business models for sustainability.

- 2021 c) *LUT-Lund collaboration* (Minna Saunila and Ilse Svensson de Jong) for co-writing articles on the interplay between innovation, sustainability, and management control.
- 2022 *Chalmers-LUT collaboration* (Anna Bergek, Eva-Lotta Apajalahti, and Ville Ojanen) with the aim to develop a joint research project.
- 2023 *KTH-Aalto collaboration* (Adam Uhrdin and Esko Hakanen) with the aim to develop a joint project application to the European Union.

## ScAIEM Teaching Achievement Award

- 2023, *The Project Business Research Team*, including Prof. Jaakko Kujala, Assoc. Prof. Kirsi Aaltonen, Dr. Jere Lehtinen, and Dr. Elina Jääskä, University of Oulu, for the development of the “Project Business Game”.

## Signatures of the Board

Mats Engwall  
Chairperson

Christine Ipsen  
Vice Chairperson

Arild Aspelund

Toumas Ahola

Eskil Sönju Le Buyn

Mathias Henningsson

Gudmundur Valur Oddson

Lovisa Annerwall

## Auditor's report

### INDEPENDENT AUDITOR'S REPORT

We have audited the accompanying financial report of Scandinavian Academy of Industrial Engineering and Management (ScAIEM), which comprises the statement of financial position as of 30 June 2024, the statement of comprehensive income, statement of assets and liabilities and statement of all transactions for the period 1 July 2023 - 30 June 2024.

Our responsibility is to express an opinion on the financial report based on our audit.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion. In our opinion, the financial report of ScAIEM gives a true and fair view of the ScAIEM's financial position as of 30 June 2024 and of its financial performance and cash flows for the period 1 July 2023 - 30 June 2024.

Place: Sundsvall, Date: 2024-11-21



Leif Olsson

Fredrik Jeanson

## Proposal for Budgets

### Budget 2024 07 01 - 2025 06 30

#### Revenues and Costs (SEK)

##### Revenues

**Member fees** (28 members á €1200 x EUR/SEK 11,30) **379.680**

##### Costs

Web-site operations and improvements 110.000

Board meetings 60.000

Branding & Marketing 10.000

Young Scholars of ScAIEM network 50.000

ScAIEM Annual PhD-Thesis Award 76.000

ScAIEM Conference support for PhD-students 60.000

Seed Money for Joint Nordic research 50.000

PhD Course / Summer/Winter Schools 50.000

**Net costs** **466.000**

Overhead IMIT 69.900

**Total costs** **535.900**

**Net result 2024/2025** **-156.220**

### Indicative budget for 2025/2026

##### Revenues

**Member fees** (29 members á €1400 x EUR/SEK 11,30) **458.780**

##### Costs

Web-site operations and improvements 50.000

Board meetings 100.000

Branding and marketing 4.000

Young Scholars of ScAIEM network 50.000

ScAIEM Annual PhD-Thesis Award 76.000

ScAIEM Conference support for PhD-students 60.000

Seed Money for Joint Nordic research 50.000

PhD Course / Summer/Winter Schools 50.000

**Net costs:** **440.000**

Overhead IMIT 66.000

**Total costs** **506.000**

**Net result 2025/2026** **-47.220**

## Proposed activities for 2024-25

### Activities in the budget proposals

*Web-site operations and improvements* 110,000

A new website and the cost of maintaining and running the site

*Branding and marketing* 10,000

A new walking stick (Bergmannastav from Norway) with engravings passed on between the conference organizers.

*Young Scholars Network of SCAIEM* 50,000

To strengthen the Nordic network of young, upcoming scholars in the IEM field. The budget covers financial support of the organization of a SCAIEM Young Scholars Workshop in the Spring of 2025.

*SCAIEM PhD-Thesis Award* 76,000

To celebrate good Nordic research in the IEM field, display showcases IEM doctoral theses (winner and two runner-ups). The budget covers the awards (25,000 + 10,000 + 10,000), reviewer reimbursements (4x5,000 + social costs) and travel expenses for the winner to participate at the main conference with a maximum of SEK 4,000.

*SCAIEM Conference support for PhD-students* 60,000

To strengthen the Nordic network of young, upcoming scholars in the IEM field. The budget covers financial support for travel expenses to participants of the PhD Candidate Workshop (and the main conference) with a maximum of SEK 6,800/PhD student.

*Seed Money for Joint Nordic Research* 50,000

To facilitate joint formulation of research projects between scholars from two, or more, SCAIEM institutional members of different countries.

*Organizing PhD courses and/or Summer/Winter Schools* 50,000

To organize PhD courses or Summer/Winter Schools.

## Membership fee for 2024-07-01 – 2025-06-30

- Institutional membership: € 1,200
- Individual membership: € 50

## Proposed membership fee for 2025-07-01 – 2026-06-30

- Institutional membership: € 1,400
- Individual membership: € 50