



ScAIEM

Scandinavian Academy of Industrial
Engineering & Management

Annual General Meeting 2021

On Zoom
Friday, 12.30-14.30,
November 19, 2021

Part I: Opening procedures:

§ 1: Establishment of the Voting list:

Mats Engwall, chairman of ScAIEM, opened and welcomed all participants to the meeting, and presented the board and the agenda of the meeting.

The General Meeting approved that the voting list would be based on the meeting participants and would be formally approved if a votation would take place. 24 participants were recorded. No votation was done during the meeting since all decisions were approved unanimously.

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

The General Meeting approved that the notice to attend had been sent out and communicated according to the statutes.

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

An adjustment was made to the agenda at item 10. There was 3 not 4 boardmembers that needed to be re-elected for two years. No one had anything to add beyond that.

Before moving on to § 4, the doctoral thesis award and Seed Money Grant was awarded.

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

The board suggested the following:

Chair:	Marcus Lindahl, UU, Sweden
Secretary:	Adam Uhrdin, KTH, Sweden
Adjusters:	Mathias Henningsson LIU, Sweden Tim Kristian Andreas Torvatn, NTNU, Norway
Vote counters:	Mathias Henningsson LIU, Sweden Tim Kristian Andreas Torvatn, NTNU, Norway

No other candidates were presented and The General Meeting approved the suggestions as above.

Part II: Reporting for the preceding year

§ 5: The Board's annual report and the financial report for the preceding fiscal year

See Appended Report, page 6 -17

The annual report was presented as follows:

The chair of the board, Mats Engwall, presented: Background

Mats Engwall presented: ScAIEM Activities

Christine Ipsen presented: Governance

Eskil Sønju Le Bruyn presented: Marketing and External Communication

Janne Huiskonen presented: Membership

Christine Ipsen presented: The ScAIEM Conference 2020

Matti Rissanen presented: The Young Scholars of ScAIEM

Lucia Crevani presented: ScAIEM Doctoral Thesis Award

Miia Martinsuo presented: Mapping of Nordic doctoral programs for IEM

Hanne Finnestrand presented: Seed Money Grant to Enhance Nordic IEM Collaborations

Janne Huiskonen presented: Financial statement (Year 2020 07 01-2021 06 30)

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

See Appended Report, page 18

Mats Engwall read the auditors' report

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

The General Meeting decided to give the board freedom of liability for the preceding fiscal year.

Part III: Budget and activity plans for the coming fiscal year

§ 8: Decision on the budget for the fiscal year July 1, 2021 – June 30, 2022

See Appended Report, page 18-20

The treasurer, Janne Huiskonen, presented the budget for the coming fiscal year (2021/2022) and an indicative budget for 2022/2023

A note was made that one of the figures should be in DKK instead of SEK.

The General Meeting approved the proposed budget (with reservation for noted currency change) for the time period July 1, 2021 to June 30, 2022 and a indicative budget for the time period July 1, 2022 to June 30, 2023.

§ 9: Decision on Membership fees for the fiscal year July 1, 2021 – June 30, 2022

See Appended Report, page 20

The General Meeting approved the membership fees for the fiscal year July 1 2021 – June 30, 2022.

Part IV: Elections

§ 10: Election of Board Members

The nomination committee, represented by Mathias Henningsson, proposed candidates to the new board. The general meeting unanimously approved the following new board members:

- a) Elected last year and will remain for one more year:
 - a. Eskil Sönju Le Bruyn, USEN, Norway
 - b. Christine Ipsen, DTU, Denmark
 - c. Lucia Crevani, MdH, Sweden
 - d. Miia Martinsuo, TUNI, Finland
- b) Re-elected for 2 years:
 - a. Mats Engwall, KTH, Sweden
 - b. Hanne Finnestrand, NTNU, Norway
 - c. Janne Huiskonen, LUT, Finland
- c) PhD-candidate: elected for 1 year
 - a. Marvin Schliemann, UU, Sweden

§ 11: Within the elected board:

The nomination committee, represented by Mathias Henningsson, proposed candidate to chairperson and vice chairperson. The general meeting unanimously approved:

- a) chairperson for one year
Mats Engwall, KTH, Sweden
- b) vice chairperson for one year
Christine Ipsen, DTU, Denmark

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

The nomination committee, represented by Mathias Henningsson, proposed candidates to a new nomination committee. The General Meeting elected unanimously:

- Harri Haapasalo, University of Oulu, Finland
- Anna Öhrwall Rönnbäck, Luleå University of Technology, Sweden
- Lars Bengtsson, Lund University, Sweden
- Mathias Henningsson, Linköping University, Sweden

Additional notes were made that Harri Haapasalo and Lars Bengtsson had not yet confirmed their continued participation but Anna Öhrwall Rönnbäck and Mathias Henningsson had done so. If more members needed to be selected during the following season, it would be arranged. The wish to have a Danish and a Norwegian representative in the future was voiced.

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

The nomination committee, represented by Mathias Henningsson, proposed candidates to two auditors and one deputy auditor. The General Meeting elected unanimously

- Leif Olsson, Mid Sweden University (re-election)

- Angelina Sundström, Mälardalen University (re-election)
- Deputy: Fredrik Jeanson, Mälardalen University (re-election)

Note: not as the agenda said, in which Angelina Sundström was posted as deputy and Fredrik Jeanson as auditor.

Part V: Motions and Bills

§ 14: Bills

No bills have been presented

§ 15: Motions

No motions have been presented

§ 16: Other issues

No other issues were presented.

Welcome to SCAIEM 2022 (in real life) at Uppsala University, November 9-11, 2022



Adam Uhrdin, Secretary



Marcus Lindahl, Chair



Mathias Henningsson (Dec 13, 2021 11:16 GMT+1)

Mathias Henningsson, Adjuster



Tim Torvatn (Nov 25, 2021 09:06 GMT+1)

Tim Kristian Andreas Torvatn, Adjuster

Appendix:

Institutional Members of ScAIEM, June 2021

Denmark

- Technical University of Denmark, Department of Management Engineering
- University of Southern Denmark, Department of Technology and Innovation
- Aalborg University, Department of Materials and Production

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
- 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.
- 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 2021:

- none



Annual Report

July 1st, 2020 - June 30th, 2021

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 2020-2021

ScAIEM is organizing all major Nordic departments within the IEM-field; today 25 departments in total, representing more than 600 faculty and PhD students in the five Nordic countries. During the fiscal year, the ScAIEM community has maintained its activities, despite Covid 19 pandemic keeping the world in its grip.

ScAIEM constitutes a strong network representing our own professional expertise and identity. It has matured from its early, formative years and has now established a well-functioning form. The annual ScAIEM conferences have evolved into an institution and is a key event during the academic year. There are furthermore increasing informal contacts and knowledge sharing between the ScAIEM members.

During the academic year of 2020-21, 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*

Thus, at the age of nine years, ScAIEM has evolved into a state of maturity with number of 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 welcome 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 2020:

- Mats Engwall,
KTH Royal Institute of Technology (chairperson), elected to the annual meeting 2021
- Christine Ipsen,
Technical University of Denmark, (vice chairperson, secretary), elected to the annual meeting 2022
- Janne Huiskonen (treasurer)
Lappeenranta-Lahti University of Technology LUT, elected to the annual meeting 2021
- Eskil Sönju Le Buyn (Goldeng),
University of South-Eastern Norway (external communication), elected to the annual meeting 2022
- Miia Martinsuo,
Tampere University (PhD Education), elected to the annual meeting 2022
- Lucia Crevani,
Mälardalen University (PhD thesis award), elected to the annual meeting 2022
- Hanne Finnestrand
Norwegian University of Science and Technology (seed money grant), elected to 2021
- Matti Risanen
Lappeenranta-Lahti University of Technology LUT, (PhD student representative), elected to the annual meeting 2021.

The board has had six regular board meetings during the fiscal year of 2020-2021 of which all were held online and an additional two meetings specifically related to the ScAIEM conference. All meetings the last year have been online conference calls (January 11th, March 15th, May 25th, June 26th, August 23rd, October 10 and 25, November 1st). The August meeting that was supposed to be at DTU, Denmark, was like August 2020 converted to an online meeting.

Due to the Covid-19 pandemic and the national lock-downs, there was in addition an ongoing discussion to change the ScAIEM conference 2021 to an online conference again which was finally decided. Minutes have been taken at all board meetings and are available to all board members.

Administration

ScAIEM has its administrative basis at 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).

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 major dinner at the INDEK and ScaIEM-conferences, since the start 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.

Marketing and External Communication

Home Page

The ScaIEM homepage (www.scaiem.org) went through a major update in the academic year 2016-17, and is updated regularly with posts from members about vacant jobs, and PhD courses. The website dedicated to the IEM educations is linked as one of the menu items at the top. However, the design of the page has been somewhat outdated and does not fit our needs. We are currently working on a new version of the website that expose the most popular elements of the site, but remove less used elements to make space for more relevant information. Moreover, the backend solution/admin tool of the current site is somewhat confusing and hard hard to navigate.

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

Social Media

A Facebook group was created at the 2016 conference. As of November 2021, the page has 244 likes and 252 followers. 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 (so far the last one IRL) reached between 500 and 2 100 persons. During the last year the post with the lowest numbers of reached persons was 68 and the highest was 175.

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 is relevant.

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, we can keep a shared/public calendar updated which we also plan to embed on the new homepage), and we have space for an extensive archive of documents, pictures and other digital material available for the board.

An email archive is maintained on our Google account, where all the emails associated with SCAIEMs activities can be accessed for the current and future boards. Currently, 518 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, 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, like the conference, the PhD dissertation award, and the seed money for collaboration among our member institutions.

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.

SCAIEM own four functional email addresses:

- president@scaiem.org
- treasurer@scaiem.org
- secretary@scaiem.org
- info@scaiem.org

The name of the SCAIEM Google account is 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 25 institutional member. During the year, the number decreased by one as Reykavíkj Universitt did not pay the membership fee. In general, all leading IEM institutions in the Nordic region are members. However, there are still a small number of institutions that remain to be recruited.

- In Denmark: 3 institutional members.
- In Finland: 5 institutional members, i.e. all relevant institutions in the field.
- In Norway: 3 institutional members.
- In Sweden: 13 institutional members.
- On Iceland: 1 institutional member.

The SCAIEM Annual Conference 2020

The eighth annual SCAIEM Conference was organized by the Department of Management (DTU MAN) at DTU – Technical University of Denmark, Lyngby, Denmark, for only one day, November 16th, 2020. Due to the Covid-19 pandemic, the conference was converted to an online conference, the first time in SCAIEM's history. The theme was “*Technology for people*”, addressing the relevance and very nature of our field of research and education. For the conference, around 168 participants registered from all the five Nordic countries.

In contrast to other years, the SCAIEM PhD Workshop was organized on the same day as the conferences, with four parallel sessions discussing papers from 18 doctoral students. On the morning of the 16th, meetings were also organized with the Head of Departments Summit, the

IEM Program Director Council, and the Head of Doctoral Education Council (for the third time).

In parallel to the meetings, the conference program encompassed two keynote addresses with invited speakers from academia and industry, followed by eight sessions in four parallel streams convened by the participants under the themes of Education, Research, and Young Scholars. The “Meet the ScAIEM Editors” session was also held with editors of the ScAIEM community, representing international scientific journals of our field. During the General Assembly, the winner of the PhD Award was announced, followed by a presentation of the research conducted in the project.

In 2020 no social program was organized due to Covid-19 restrictions. Therefore the costs were significantly reduced. Instead, a social event was conducted in the virtual reality. Twenty-five participants enjoyed an hour of socializing in different virtual worlds, e.g., in a virtual sight-seeing in Copenhagen. The total cost of organizing the conference was approximately SEK 28.000. Planning and administrative work etc., was financed “in-kind” by DTU Management, the organizing department.

After the 2020 conference, a short survey was conducted in the Head of Doctoral Education Council, to identify key challenges in IEM doctoral education, possibilities for further cooperation across the Nordic universities, and possibilities for forthcoming joint activities. The summary was reported to the ScAIEM board in March 2021. A key observation was that the ScAIEM seed money grant could be used to finance such initiatives and that active volunteers are needed to set up such activities.

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 2020-2021 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 5th Young Scholars of ScAIEM Workshop was organized on May 4th, 2021 online with Zoom. 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. We received 12 submissions to participate in the workshop and the total amount of participants was 14. Five of the participants additionally participated with a full paper manuscript to conduct and receive a friendly review. The participants were divided into two groups of seven people but even with the smaller groups the reserved time of three hours for the workshop was short. As we return to physical events, a full day event is a requirement to accommodate in depth discussions and networking.

The workshop also works 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. Also,

for recent graduates, the SCAIEM thesis award is an opportunity to showcase their research in the field of IEM.

Overall, the workshop went well and was full of discussion on various research topics within IEM. The feedback gathered from participants noted that the time reserved was not enough for some discussions. It was also noted that for some the feedback they received from their reviewer was not on a level they were expecting. This can be due to varying experience level of participants and varying research topics and methods used by participants in their work. The participants felt that the atmosphere was positive and they are looking forward to participate in future SCAIEM events.

Plans for the future

Online events are easy to organize and the emphasis must be on reaching the potential participants and getting them to participate. New young scholars are best reached through their senior colleagues and supervisors, and others as they have participated in SCAIEM events previously. Physical meetings and events for young scholars is a priority when they become available again as networking is more effective in-person. Organizing the Spring workshop annually continues and one potential development for it would be to invite speakers to the event to discuss topics relevant to young scholars.

SCAIEM Doctoral Thesis Award

The winner of the SCAIEM thesis award 2020 was **Helle Lohmann Rasmussen** from DTU, Danmark, with the thesis “Integrating operational knowledge in design of new buildings to improve facility performance - A comparative study of building and large ship projects”.

Helle’s doctoral thesis is an example of high-quality research work clearly structured and well formulated. The thesis addresses the question of how operational knowledge can be integrated into the design process focusing on the how this can be done for buildings in order to improve facility performance. While much focus is generally put on how to transfer more knowledge to the design phase, the thesis shows how important it is focus on how different actors actually take the available into consideration and integrate it in their work. In order not to end up with information-overload, it is also important to look at how to make relevant knowledge available at the right time and place.

The thesis offers an excellent example of fruitful collaboration with practice to explore an issue that is of major importance for the industry, but also an example of how it is possible to make the move from practitioner to researcher. Practical experience and academic knowledge are combined to provide insight that advances both the research field and practice, drawing on different knowledge areas relevant for the research focus. Although not the main aim of the thesis, better facility performance has also the potential of contributing to a more sustainable society. Something that makes the thesis unique is also the idea of comparing two different, but similar, sectors in order to learn more about how to work with knowledge transfer. The method used is sound and the author provides a mature discussion about the choices made. The thesis also has benefitted from international collaboration with a Norwegian university. There is also a single-author paper included. Finally, the use of illustrations in the thesis is laudable and makes its content more available.

Shortlisted were also two theses in different subfields of IEM, which shows how different issues we address in IEM:

- **Stefan Jacobsson**, with the thesis “Access management for road hauliers and rail operators in intermodal freight terminals” written at Chalmers, Sweden. The thesis focuses on one crucial aspect of managing intermodal terminals. It does so by considering different dimension of the system and engaging with actors in practice, also by developing specific technologies in the research process. The structure of the thesis is very clear, as well as how the different parts contribute to the whole.
- **Khadijeh Momeni**, with the thesis “Service integration in the downstream value chain of project-based firms” written at Tampere University, Finland. This thesis also takes a systemic approach bringing together service research with project management research. The theme is highly relevant and addressed in a particular thoroughly manner both in terms of theoretical framework and empirical work. The method section is very transparent.

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; or doctoral education and mentoring.

In 2020, the Seed Money Grant was given to a DTU-KTH collaboration focusing on integrating virtual worlds into online learning.

During the Spring of 2021, the board called for new proposals. Due to the Covid-19 situation, the Board considered reasonable to increase the budget in order to boost collaboration across our member universities and national borders after a couple of years with limited opportunities for collaboration. The budget for the seed money grant was increased to max SEK 50.000 per proposal, and can be given to 2-3 applicants.

Financial statement (Year 2020-07-01-2021-06-30)

The income statement covers membership fees and costs for the period 2020-07-01 - 2021-06-30.

Income statement for the period ended 30 June 2021

<i>Item</i>	<i>Information</i>	<i>SEK</i>
	Income	
1.	Institutional membership fees	257.993,00
2.	Other income	0
3.	<i>Total gross income</i>	257.993,00
	Expenses	
4.	Web page expenses	1.231,25
5.	Administrative costs	12.098,21
6.	Board travel costs	0
7.	Project costs	104.747,32
	a) Branding & Marketing	4.707,32
	b) Young scholars of ScAIEM network	0
	c) Mapping Nordic IEM programmes	0
	d) Mapping Nordic Phd Programmes	10.658,00
	e) ScAIEM Conference support	1.824,00
	f) ScAIEM Annual Thesis Award	62.558,00
	g) Seed Money for Joint Nordic research 2020/21	25.000,00
8.	<i>Total expenses</i>	118.076,78
	Net surplus	+ 139.916,22

Balance sheet at 30 June 2021

<i>Item</i>	<i>Information</i>	<i>SEK</i>
	Assets	
9.	Cash at IMIT Account	758.353,89
10.	<i>Total assets</i>	758.353,89
	Equity	
11.	Annual Conference Guarantee Fund	100.000,00
12.	Surplus brought forward	493.437,67
13.	Net surplus of the year	139.916,22
	Liabilities	
14.	Account payable for Joint Nordic research 2020/21	25.000,00
	<i>Total Equity and Liabilities</i>	758.353,89

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*, established 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 at November 19.
- The first ScAIEM PhD-course is organized by LTU.

2016

- *Industriell ekonomi* (Industrial Engineering and Management) becomes formally recognized as a subject in the field of 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, 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 internet conference due to the pandemic, November 16, Technical University of Denmark, Copenhagen (over internet)
- A mapping project identifying PhD educations in Industrial Engineering and Management within the Nordic countries is executed.

2021

- The ScAIEM activities are maintained, in spite of 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 internet event (due to the pandemic), November 18-19, Technical University of Denmark, Copenhagen (over internet).

Conferences Since 2009

Swedish INDEK-Conferences:

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

Scandinavian 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, NTNU, 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 (over internet)
- 2021, November 18-19, Technical University of Denmark, Copenhagen (over internet)
- 2022, November 9-11, Uppsala University, Uppsala (planned)

ScAIEM Thesis Award of the Year

- 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”.

Signatures of the Board

Mats Engwall
Chairperson

Christine Ipsen
Vice Chairperson

Lucia Crevani

Hanne Finnestrand

Eskil Goldeng

Janne Huiskonen

Miia Martinsuo

Matti Risanen

Auditors' statements

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 2020, the statement of comprehensive income, statement of assets and liabilities and statement of all transactions for the period 1 July 2020 - 30 June 2021.

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 2020 and of its financial performance and cash flows for the period 1 July 2020 - 30 June 2021.

Place: Sundsvall¹⁹, Date: 2021-10-xx
Eskilstuna Date: 2021-10-25

Leif Olsson



Angelina Sundström



Proposal for Budgets

Budget for 2021 07 01-2022 06 30

Revenues and Costs (SEK)

Revenues

Member fees (26 members 'a €1,000:-) 270.000

Costs

Web-site operations and improvements 10.000

Board meetings 30.000

Conference organizing support for DTU 2021 15.000

Project a: Branding & Marketing 10.000

Project b: Young Scholars of SCAIEM network 40.000

Project c: Updating mapping of Nordic IEM programs 10.000

Project d: SCAIEM Annual Thesis Award + best paper award 70.000

Project e: SCAIEM Conference support for PhD-students 0

Project f: Seed Money for Joint Nordic research 125.000

Net costs: 310.000

Overhead IMIT (15 %) 46.000

Total costs 356.000

Net result 2021/2022 -86.000

Indicative budget for 2022/2023

Revenues

Member fees (26 members 'a €1,000:-) 270.000

Costs

Web-site operations and improvements 10.000

Board meetings 30.000

Project a: Branding and marketing 10.000

Project b: Young Scholars of SCAIEM network 40.000

Project d: SCAIEM Annual Thesis Award + best paper award 70.000

(including reimbursement for the committee)

Project e: SCAIEM Conference support for PhD-students 50.000

Project f: Seed Money for Joint Nordic research 125.000

Net costs: 335.000

Overhead IMIT (15 %) 50.000

Total costs 385.000

Net result 2022/2023 -115.000

Proposed projects for 2021-22

Projects in the budget proposals

Project a: Branding and marketing 10.000
Continued work

Project b: Young Scholars Network of SCAIEM 40.000
Purpose: 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 2022.

Project c: Updating mapping of Nordic IEM programs 10.000
Continued work for earlier mapping of Nordic IEM programs.

Project d: SCAIEM Thesis Award and best paper award 70.000
Purpose: to celebrate good Nordic research in the IEM field, display showcases IEM doctoral theses (winner and two runner-ups) and best paper award (in SCAIEM Conference) of high relevance and rigor, and promote new research agendas. The budget covers the awards (25.000 + 10.000 + 10.000 + 5.000) and reviewer reimbursements (4x5.000).

Project e: SCAIEM Conference support for PhD-students 0
Purpose: 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 5,000:-/PhD student.
NOTE: This project is on hold 2021, because conference being virtual.

Project f: Seed Money for Joint Nordic Research 125.000
Purpose: to facilitate joint formulation of research projects between scholars from two, or more, SCAIEM institutional members of different countries. One grant can be max 50.000 SEK.

Membership fee for 2021-07-01–2022-06-30 (decided)

- Institutional membership: € 1.000:-
- Individual membership: € 50:-

Proposed membership fee for 2022-07-01–2023-06-30

- Institutional membership: € 1.000:-

ScAIEM Management Report 2021

Final Audit Report

2022-01-18

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