IGIP National Sections

Activity Report 2024–2025

A summary of IGIP-related and Engineering Education activities
organized by each National Section,
together with the contact details of their President and Secretary General.

International Society for Engineering Pedagogy (IGIP)

www.igip.org

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Introduction

This report summarizes the activities carried out by IGIP National Sections during 2024 and 2025, based on information submitted by each National Section. For every section, the report presents two categories of activities: IGIP-related activities (such as ICL conferences, Ing.Paed.IGIP programmes, IGIP workshops, training programmes, and onsite meetings) and Engineering Education activities more broadly (conferences, meetings, workshops, and training programmes organized by the National Section).

The contact details of the President and Secretary General of each National Section are also included to facilitate communication and collaboration across the IGIP network.

Executive Summary

Ten National Sections submitted information for this report: Austria, Estonia, Germany, Hungary, India, Mexico, Slovakia, Spain, Thailand, and Ukraine. Eight of the ten sections (Austria, Estonia, Hungary, India, Slovakia, Spain, Thailand, and Ukraine) reported organizing IGIP-related activities during 2024–2025, most commonly ICL conferences, Ing.Paed.IGIP programmes delivered by Accredited Training Centres, and IGIP workshops or training programmes. Eight sections (Austria, Estonia, Hungary, India, Mexico, Slovakia, Thailand, and Ukraine) also reported broader Engineering Education activities such as conferences, meetings, and workshops.

Mexico reported Engineering Education activities but no IGIP-related activities, while Spain reported IGIP-related activities but no separate Engineering Education activities. Overall, the responses show a broad and active network, with several sections — including India, Slovakia, Thailand, and Ukraine — reporting extensive, multi-year programmes of conferences, certifications, and training.

Overview

National Section	IGIP-related activities	Engineering Education activities
Austria	Yes	Yes
Estonia	Yes	Yes
Germany	No	No
Hungary	Yes	Yes
India	Yes	Yes
Mexico	No	Yes
Slovakia	Yes	Yes
Spain	Yes	No
Thailand	Yes	Yes
Ukraine	Yes	Yes

Austria

Contact Information

President	Wolfgang Pachatz · office@igip-austria.at
Secretary General	Gabriele Schachinger · gabriele@schachinger.wien

IGIP-related Activities (2024–2025)

Activity types reported:

- IGIP official workshops and/or training programmes
- Other IGIP-related activities

Description:

Entrepreneurship in Engineering Education: To date, IGIP-Austria has certified a total of 12 schools as Entrepreneurship Competence Centers—including one school in Albania and one in Italy. These schools must undergo recertification on a regular basis. Students at these schools who complete a specified additional entrepreneurship program receive an IGIP-Austria certificate. The EEE program is carried out in collaboration with Graz University of Technology and the University of Applied Science Technikum Vienna.

Implementation of the Erasmus+ partnership project GreenZert in collaboration with EVBB and AKMI

Center of Excellence for Vocational Education and Training – Project: Engineering Excellence for the mobility value chain (EE4M): IGIP-Austria takes part as an Associated Partner

IGIP-Austria has been organizing the Young Austrian Engineers Contest since 2025. In this national competition, which focuses on digital product development and digital production processes, nearly 1,000 projects have been submitted by more than 2,000 students to date. The competition is organized in collaboration with industrial companies and the Chamber of Commerce.

Through all these initiatives, IGIP is becoming known to a wide audience in the fields of education and business

Engineering Education Activities (2024–2025)

Activity types reported:

- Other Engineering Education activities

Description:

Young Austrian Engineers Contest

Estonia

Contact Information

President	Jakob Kübarsepp · jakob.kubarsepp@taltech.ee
Secretary General	Tiia Rüütmann · tiia.ruutmann@taltech.ee

IGIP-related Activities (2024–2025)

Activity types reported:

- ICL conference
- Ing.Paed.IGIP programmes taught by ATCs in your country
- IGIP official workshops and/or training programmes

Description:

The Estonian NC organized ICL2024 in Tallinn.

At TalTech, a micro-credential program of engineering pedagogy for faculty (24 ECTS) is accredited by IGIP, and relevant courses are held every year. Graduates of this curriculum may apply for Ing.Paed.IGIP certification.

Additionally, IGIP workshops on engineering pedagogy are held for STEM teachers of upper-secondary level once a year.

Engineering Education Activities (2024–2025)

Activity types reported:

- Conferences
- Workshops and/or training programmes

Description:

A seminar on engineering pedagogy for TalTech faculty (2025), training program (micro-credential).

Germany

Contact Information

President	Steffen Kersten · steffen.kersten@tu-dresden.de
Secretary General	Ralph Dreher · dreher.tvd@uni-siegen.de

IGIP-related Activities (2024–2025)

No IGIP-related Activities were reported for 2024–2025.

Engineering Education Activities (2024–2025)

No Engineering Education Activities were reported for 2024–2025.

Hungary

Contact Information

President	Peter Toth · toth.peter@gtk.bme.hu
Secretary General	Istvan Simonics · simonics333@gmail.com

IGIP-related Activities (2024–2025)

Activity types reported:

- ICL conference

Description:

The Hungary NS organized the ICL2025 Conference in Budapest.

Engineering Education Activities (2024–2025)

Activity types reported:

- Conferences

Description:

Organization of a local conference at the Budapest University of Technology and Economics (BME).

India

Contact Information

President	Dr. Krishna Vedula · krishna@iucee.org
Secretary General	Sridhar Nori · Sridharn18@gmail.com

IGIP-related Activities (2024–2025)

Activity types reported:

- Ing.Paed.IGIP programmes taught by ATCs in your country
- IGIP official workshops and/or training programmes

Description:

Conducted 2 Ing.Paed.IGIP accreditation programs taught through the Indo Universal Collaboration for Engineering Education (IUCEE). These programs, called IUCEE International Education Certification Programs (IIECP) in India, are offered to faculty in India twice a year as 6-month programs. A total of 650 faculty members completed these programs.

The IIECP Program has certified 366 faculty from 66 institutions, of whom 39 were also awarded IGIP Certification by IGIP Austria.

Engineering Education Activities (2024–2025)

Activity types reported:

- Conferences
- Meetings
- Workshops and/or training programmes
- Other Engineering Education activities

Description:

The IUCEE continued facilitating Teaching and Learning Centers at member institutions through the IUCEE Network of Teaching and Learning Centers (INTLC).

Faculty development programmes included the IIECP (IUCEE International Educators Certification Program), the Felder Brent Effective Teaching and Learning Course (FBTL), and the Education Research Course (ER). During 2024, the IIECP programme certified 347 faculty from 85 institutions, of whom 35 were also awarded the Ing.Paed.IGIP title by IGIP Austria. During 2025, IIECP certified a further 366 faculty from 66 institutions, with 39 of these graduates also receiving IGIP Certification from IGIP Austria. In 2024, more than 200 faculty from over 30 institutions completed the FBTL course; in 2025, 206 faculty from 35 institutions did so. The Education Research Course was completed by 79 participants from 32 institutions in 2024 and by 147 faculty from 34 institutions in 2025.

The annual ICTIEE (International Conference on Transformations in Engineering Education) remained IUCEE's flagship event. ICTIEE 2025, held under the theme “Systemic Transformation in Engineering Education,” brought together 443 faculty from over 100 institutions worldwide, with 69 papers presented, 8 workshops conducted, and 7 keynotes and panel discussions held; these 69 papers were selected from more than 400

submissions reviewed by over 200 reviewers from the IUCEE network, drawing contributions from more than 30 institutions.

IUCEE also supports institutional leadership and student engagement. The 2025 Annual Leadership Summit, facilitated by Dr Kelly Ottman of the Milwaukee School of Engineering under the theme “Improving Teaching and Learning Ecosystems at the Institutional Level,” brought together 103 institutional leaders from 33 IUCEE institutions and 10 members of the IUCEE Expert Team. The IUCEE Annual Student Forum (IASF) engaged 360 students from 25 institutions in Design Thinking projects and professional development workshops in 2025. In 2025–26, active IUCEE Student Chapters operated in 24 institutions. Under India's National Educational Policy (NEP), IUCEE ran mini-courses in 2025 certifying 301 students from 21 institutions in Design Thinking, 191 students from 16 institutions in Entrepreneurial Thinking, 322 students from 23 institutions in Artificial Intelligence for All, and 225 students from 22 institutions in Quantum Computing.

IUCEE also promotes scholarship of teaching and learning through the Journal of Engineering Education Transformations (JEET), a Scopus-indexed journal it helped found: JEET published 84 papers in a Special ICTIEE 2025 issue, 73 papers across four quarterly issues, and 15 papers in two further special issues during 2025. In 2025–26, IUCEE also conducted 25 Global Webinars in partnership with the International Federation of Engineering Education Societies (IFEES) and the Global Engineering Deans Council (GEDC), as well as 10 IUCEE Expert Webinars led by its own experts.

Mexico

Contact Information

President	Jorge Membrillo-Hernández · jmembrillo@tec.mx
Secretary General	Rebeca García-García · rebeca.garcia.garcia@tec.mx

IGIP-related Activities (2024–2025)

No IGIP-related Activities were reported for 2024–2025.

Engineering Education Activities (2024–2025)

Activity types reported:

- Conferences

Description:

Within the IFE Conference on educational innovation in January 2025, we have had specific sessions on engineering pedagogy led by Dr. Jorge Membrillo-Hernández and Dr. Rebeca García-García.

Slovakia

Contact Information

President	prof. Paed Dr. Ing. Roman Hrmo, PhD., MBA, Ing.Paed.IGIP · hrmo@dti.sk
Secretary General	doc. Paed Dr. Ing. Lucia Krištofiaková, PhD., Ing.Paed.IGIP · kristofiakova@dti.sk

IGIP-related Activities (2024–2025)

Activity types reported:

- Other IGIP-related activities
- IGIP onsite meetings
- IGIP official workshops and/or training programmes
- Ing.Paed.IGIP programmes taught by ATCs in your country

Description:

Organization of the International conference SCHOLA in 2024 and 2025, which aims to focus on the exchange of relevant trends and research results as well as the presentation of practical experiences in Engineering Pedagogy.

Organization of the International Conference Doctoral SCHOLA in 2024 and 2025, whose aim is to create an environment for the presentation and comparison of the intentions and results of the pedagogical and scientific research activities of doctoral students in the field of education and training with a focus on engineering pedagogy.

ICL2024 Special Session: Dance of Data in Educational Science and Practice (DODESP)

ICL2025 Special Session: To the Roots of Engineering Pedagogy (TREP)

Project č. 005VŠDTI-4/2026 The legacy of Professor Dušan Driensky in lifelong learning of teaching staff. The project focuses on the need for lifelong learning among secondary school teachers by developing an educational program and related study materials for both guided learning and self-study. The project outputs will carry forward the ideas of Professor Dušan Driensky, particularly regarding the integration of pedagogy into the education of technical study fields and disciplines. In Slovakia, Professor Driensky was appointed to the International Scientific Council of IGIP in 1986 and founded the Slovak National Group of IGIP in Bratislava in 1993. Given the dynamic nature of today's world, there is a continuous need for teachers to engage in professional development across various areas, depending on the current situation and emerging needs. The aim of the project is to prepare an educational program and study literature for secondary school teachers, taking into account their needs and the demands of current developments. This topic is important because it concerns the study of the teaching process in specific groups of related professional subjects, both within Slovakia and in the context of developing the European curriculum for the education of secondary vocational school teachers. In the given period, the implementation of the international scientific conference SCHOLA is planned, which will be dedicated to the issue of teacher education, the legacy of Professor Dušan Drienský and the 100th anniversary of the birth of Professor Dušan Drienský (which will be at the time of the project).

Engineering Education Activities (2024–2025)

Activity types reported:

- Other Engineering Education activities
- Conferences
- Meetings
- Workshops and/or training programmes

Description:

Seminar “The Place of Engineering Pedagogy in Pedagogical Sciences and Tasks for the Next Period”. The event is dedicated to engineering pedagogy, improving the quality of training for teachers of technical subjects, the activities of the International Society for Engineering Pedagogy IGIP, and the possibility of obtaining the Ing.Paed.IGIP title.

Seminar dedicated to the memory of Prof. Ing. Dušan Driensky, CSc., a long-time academic, a prominent representative of engineering pedagogy, who served for many years in leading positions and committees of the ZSVTS, also as chairman of the ISVaV of the ZSVTS.

Spain

Contact Information

President	Eduardo Vendrell Vidal · even@upv.es
Secretary General	Antonio Molina Marco · amolina@upv.es

IGIP-related Activities (2024–2025)

Activity types reported:

- Ing.Paed.IGIP programmes taught by ATCs in your country

Description:

Two online cohorts of the Ing.Paed.IGIP programme have been organised over the past two years in collaboration with two universities. One with the Universidad Técnica Federico Santa María (Chile) and another one with the Pontificia Universidad Católica Madre y Maestra (Dominican Rep.). This last cohort is still ongoing in 2026.

Engineering Education Activities (2024–2025)

No Engineering Education Activities were reported for 2024–2025.

Thailand

Contact Information

President	Panarit Sethakul · panarit.s@fte.kmutnb.ac.th
Secretary General	Somsak Akatimagool · somsak.a@fte.kmutnb.ac.th

IGIP-related Activities (2024–2025)

Activity types reported:

- Other IGIP-related activities
- ICL conference

Description:

Papers presented at the ICL 2025:

> *Panarit Sethakul, Somsak Akatimagool, Pichet Sriyanyong and Sukanjana Lekapat, "Design and Development of the Management Model and the Quality Training Manual of the IGIP Accredited Training Centre (IGIP-KMUTNB) of Thailand in Accordance with the International Standard", 28th International Conference on Interactive Collaborative Learning and 54th IGIP International Conference on Engineering Pedagogy, 01-03 October 2025, Budapest, Hungary.*
>
> *Somsak Akatimagool and Nutchanat Chumchuen, "Experiment-based Learning and Teaching of Wind Turbine Electricity Generation for Electrical Engineering Education", 28th International Conference on Interactive Collaborative Learning and 54th IGIP International Conference on Engineering Pedagogy, 01-03 October 2025, Budapest, Hungary.*

Organization of a training course on technical and engineering pedagogy (90 hrs.) by IGIP National section of Thailand on 22 Nov-28 Dec 2025 for 25 lectures of the faculty of technical Education, KMUTNB.

Engineering Education Activities (2024–2025)

Activity types reported:

- Workshops and/or training programmes
- Conferences

Description:

IGIP National section of Thailand co-organized with the Faculty of Technical Education, KMUTNB, and the Thailand Association of Industrial Education the 17th National conference and the 12th conference on technical and engineering education on June 5-6, 2025 at KMUTNB, Bangkok, Thailand.

The IGIP National section of Thailand organized a training course on Thailand-PSF (Professional Standard Framework) in 2024 and 2025. 30 lecturers from the 10 member institutions of the Thailand Association of Industrial Education participated in the 2024 edition, while 45 lecturers of the Faculty of Industrial Education, King Mongkut's Institute of Technology, Ladkrabang, participated in the 2025 edition.

Ukraine

Contact Information

President	Olena Kovalenko · olenakovalenko@karazin.ua
Secretary General	Oleksandr Kupriyanov · oleksandr.kupriyanov@karazin.ua

IGIP-related Activities (2024–2025)

Activity types reported:

- Ing.Paed.IGIP programmes taught by ATCs in your country
- Other IGIP-related activities

Description:

In Ukraine, V.N. Karazin Kharkiv National University continues to provide education for the IGIP-accredited training center, which follows the IGIP curriculum for engineering pedagogy. The center is working under the title “Center for Retraining and Professional Development of Teachers at Higher Technical Educational Institutions Based on the System of the International Society for Engineering Pedagogy (Center of Engineering Pedagogy)” (https://uepa.karazin.ua/en/in-coop-en-m/igip-e-m?start=1). In 2023, the Center extended its accreditation through 2027. In 2025, two graduates of the Center received the title Ing.Paed.IGIP.

In Ukraine, the research school “Methods of Professional Education. Engineering Pedagogy” continues to operate; it was founded by its current head, Dr Olena Kovalenko, Professor of Pedagogical Sciences. In 2025, two PhD dissertations were defended.

In a broader sense, the speciality in engineering pedagogy is called “Vocational Education” in Ukraine and is studied at the bachelor’s, master’s, PhD, and Doctor of Science levels. Every year, courses in this speciality are offered at more than 20 universities in Ukraine. Ing.Paed.IGIP, Doctor of Pedagogical Sciences, Professor Natalia Bryukhanova serves as chair of the Scientific and Methodological Commission on General, Vocational Education, and Sports of the Ministry of Education and Science of Ukraine. This commission develops the educational standards for the “Vocational Education” speciality, which are mandatory for all universities offering this program.

In cooperation with the Ukraine IGIP National Section, the collection of scientific papers “Problems of Engineering Pedagogic Education” (https://periodicals.karazin.ua/education/) is published. The scientific papers are published twice a year, and papers published in them are accepted for PhD and Doctor of Science dissertations. Six members of the journal’s editorial board hold the Ing.Paed.IGIP title, and the editorial board includes IGIP Executive Committee members Tiia Rüütmann and Juergen Koeberlein-Kerler.

Every year, under the patronage of the Ukraine IGIP National Sections, the All-Ukrainian Competition of Student Research Papers in the field of “Vocational Education” is held (https://science.uepa.karazin.ua/category/competition-ua/). The competition is organized annually with the aim of creating conditions for the development of the intellectual potential of talented youth, supporting the scientific and creative work of students whose interests are related to issues of vocational education in the fields of vocational, pre-higher, and higher education, and stimulating their interest in research work and the use of innovative technologies.

Engineering Education Activities (2024–2025)

Activity types reported:

- Conferences
- Workshops and/or training programmes

Description:

Every year, with the participation of IGIP leading experts, V.N. Karazin Kharkiv National University hosts professional development courses in pedagogy and vocational training methodology for approximately 250–400 staff members from vocational schools and colleges across Ukraine (https://science.uepa.karazin.ua/transfer-navchalnix-texnologij-ua/).

Every year, in collaboration with the Ukraine IGIP National Section, a major conference titled “Building a Unified Open Information Space for Lifelong Education” is held in Ukraine, attracting approximately 200 participants from around the world, though mostly from Ukraine (https://forumsois.uipa.edu.ua/). The conference’s focus areas align with IGIP mission. In 2024, the conference keynote speaker was Tiia Rüütmann, President of IGIP (https://science. uepa.karazin.ua/vidbuvsya-somij-mizhnarodnij-naukovo-praktichnij-web-forum-rozbudova-yedinogo-vidkritogo-informacijnogo-prostoru-osviti-vprodovzh-zhittya/). In 2025, the keynote speaker at the conference was IGIP Executive Committee member Juergen Koeberlein-Kerler (https://science.uepa.karazin.ua/vidbuvsya-vosmij-mizhnarodnij-naukovo-praktichnij-web-forum-rozbudova-yedinogo-vidkritogo-informacijnogo-prostoru-osviti-vprodovzh-zhittya/).