



Post-Congress Report

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IEA 2024 Post-Congress Report

22nd Triennial Congress of the International Ergonomics Association
Jeju, South Korea | August 25–29, 2024

1. Introduction

The 22nd Triennial Congress of the International Ergonomics Association (IEA 2024) was successfully held from August 25 to 29, 2024, at the International Convention Center (ICC) Jeju, in Jeju, South Korea. The congress was hosted by the International Ergonomics Association (IEA) and organized by the Ergonomics Society of Korea (ESK) jointly with the INCOSE Human Systems Integration (HSI) Working Group.

The Congress theme, “Better Life Ergonomics for Future Humans,” addressed how ergonomics and human factors can improve quality of life in an era shaped by rapid technological, social, and demographic change.

This event was particularly significant as it marked the return of a hybrid format after the pandemic – with 1,815 participants attending onsite in Jeju and 198 joining online, ensuring inclusivity and global access. In total, 2,213 participants from 55 countries engaged with the Congress, underscoring its global reach.

The scientific program featured 1,141 presentations across 232 sessions, including 523 regular papers, 382 special session papers, and 223 posters, along with 8 keynote lectures from world-leading experts.

The Congress built on the virtual success of IEA 2021 (held online due to the COVID-19 pandemic), blending digital participation with the networking richness of in-person events.

2. IEA 2024 Registration Statistics

A. Position

- Professional: 898
- Student: 668
- Total: 1,566

B. Registration Type

- Paid Registrations: 1,377
- Complimentary Registrations: 189
- Total Registrations: 1,566

C. Event Participation (Food & Social Programs)

- IEA Welcome Reception: 1,059
- IEA Congress Dinner: 791
- INCOSE Welcome Reception: 13
- INCOSE Dinner: 13
- Total: 1,876

D. Participant Categories (Integrated)

Category	Professional	Student
Advanced (Early-bird)	770	295
Regular	64	20
One-day Pass	9	9
Virtual Only	137	43
Total	980	367

E. Korean Participants Only

Category	Professional	Student
Advanced (Early-bird)	249	115
Regular	11	8
One-day Pass	1	1
Virtual Only	2	2
Total	263	126

F. Pre-registration / On-site Registration

Category	Total	No-show	Onsite	Virtual
Pre-registration	886	43	651	192
On-site Registration	49	0	37	12
Total	935	43	688	204

G. Participation by Country (51 Countries)

- Republic of Korea: 538 (282 professionals, 256 students)
- China: 230 (86 professionals, 144 students)
- Japan: 110 (76 professionals, 34 students)
- USA: 99 (82 professionals, 17 students)
- France: 68 (46 professionals, 22 students)
- Germany: 57 (29 professionals, 28 students)
- Brazil: 53 (26 professionals, 27 students)
- Taiwan: 59 (36 professionals, 23 students)
- Canada: 37 (26 professionals, 11 students)
- Australia: 28 (23 professionals, 5 students)

- Many other countries had smaller delegations (1–20 participants each)

Summary of IEA 2024 Congress

Category	Number of Participants
Paid Registration	1,377
Complementary Registration	189
Total Registrations	1,566
IEA EC & Council	150
ISO	46
Online Participants	198
Exhibitors	53
Countries Represented	55
Total Participants	2,013

- Regular Session : 523 papers
- Special Session : 90 sessions, 382 (as Papers)
- Poster : 223
- Total : 1141 Presentations
- Sessions
 - General Sessions : 114
 - Special Sessions & Symposia : 90
 - Meetings : 23
 - Total : 232 sessions

2. Leadership

General Chair

Jung Sik Lee – Minister of Employment and Labor, Republic of Korea

IEA President

Prof. José Orlando Gomes (Brazil) – President, IEA

Conference Chair

Prof. Sang-ho Kim – President, ESK; Kumoh National Institute of Technology

Organizing Chair

Prof. Myung Hwan Yun – Seoul National University

INCOSE HSI Chair

Prof. Guy André Boy – Paris Saclay University & ESTIA Institute of Technology, France

3. Venue and Host City

The Congress was managed by at the International Convention Center (ICC JEJU), situated on the UNESCO-listed island of Jeju, South Korea. With world-class facilities, scenic coastal views, and cultural richness, Jeju provided an ideal setting for international collaboration.

Social and Cultural Highlights:

- Welcome Reception for networking among delegates

The Welcome Reception was a great success, with many delegates in attendance. The simpler food presentation, highlighting local Korean flavors, and the provision of unlimited drinks created a relaxed and inclusive atmosphere. The event encouraged networking and set a positive tone for the Congress

- Opening Ceremony with Korean cultural performances

The Opening Ceremony was widely attended, with around 1,000 participants. It featured a welcome video from Minister Jung Sik Lee of Employment and Labor and a vibrant cultural performance of Samulnori, which was highly appreciated by delegates. The event drew strong media coverage, with about 20 newspapers reporting on the ceremony, highlighting its national and international significance.

- Gala Dinner celebrating the Congress and Korean hospitality

The Gala Dinner was a successful and festive to the Congress. The buffet format was decided to reflect a wide range of dietary requirements, ensuring that all delegates could enjoy the meal comfortably. This approach, combined with the celebratory atmosphere, left participants with lasting memories of IEA hospitality.

- Closing Ceremony

The Closing Ceremony marked a conclusion to IEA 2024. Highlights included the formal transfer of flags, the presentation of appreciation awards, and the distribution of various souvenirs. A special lottery delighted participants, with items such as conference bags and even the official conference banner being given away. The event combined formality with celebration, leaving attendees with positive memories of the Congress.

4. Organizing Committee

General Chair: Jung Sik Lee (Minister of Employment and Labor, Republic of Korea)

Honorary Chairs: Eui Seung Jung (Korea Univ.), Sung Ho Han (POSTECH), Yuchang Kim (Dong-Eui Univ.), Jae-hee Park (Hankyong Nat'l Univ.)

Conference Chair: Sang-ho Kim (Kumoh Nat'l Inst. of Tech., President of ESK)

Organizing Chair: Myung Hwan Yun (Seoul Nat'l Univ.)

Secretary General: Gwanseob Shin (UNIST)

Scientific Programming Chair: Woojin Park (Seoul Nat'l Univ.)

IEA Council : Inseok Lee (Hankyung National University)

Special Program Chair: Tazoon Park (Soongsil Univ.)

Publication Chair: Yongku Kong (Sungkyunkwan Univ.) |

International Cooperation Chair: Inseok Lee (Hankyong Nat'l Univ.)

Special Event Chair: Hongin Cheng (Kyungsung Univ.) |

Information System Chair: Sangwon Lee (Korea Univ.)

International Promotion Chair: Yonggu Ji (Yonsei Univ.) |

Domestic Promotion Chair: Jiyoung Kwahk (Taejae Univ.) |

Social Media Chair: Gyuhyun Kwon (Hanyang Univ.) |

Creative Chair: Wonsup Lee (Handong Univ.)

Exhibition/Advertisement Chairs: Jungchul Park (Korea Nat'l Univ. of Transportation), Taebeum Ryu (Hanbat Nat'l Univ.) |

Media Chair: Jea Hoon Lee (JRB Co., Ltd.) |

IEA/ISO Liaison Chair: Heecheon You (POSTECH)

Industrial Collaboration Chair: Samsoo Lee (LG Electronics)

Planning Chair: Kyungdoh Kim (Hongik Univ.)

5. Scientific Program

The scientific program of IEA 2024 represented one of the most diverse in the history of the International Ergonomics Association. Designed around the congress theme “Better Life Ergonomics for Future Humans”, the program combined plenary addresses, keynote lectures, symposia, workshops, and parallel sessions into a comprehensive and multidimensional agenda.

Keynote Lectures

IEA 2024 featured a distinguished 16 keynote speakers who are internationally recognized leaders in ergonomics, human factors, and related disciplines. Each keynote address explored cutting-edge research and global challenges:

These keynote lectures drew large audiences and provided unifying themes that linked research, practice, and policy. All keynote lectures at IEA 2024 were live-casted for accessibility and broadcast via YouTube for global audiences. The sessions were also recorded and archived online, ensuring that participants who could not attend in real time—especially those affected by time zone differences—were able to access the content afterwards.

Parallel Sessions and Symposia

The scientific core of IEA 2024 was delivered through 232 sessions comprising 1,141 presentations. These included oral sessions, poster sessions, and invited symposia across major domains of ergonomics and human factors:

Human–Computer Interaction and Digital Ergonomics | Transport Ergonomics and Safety
Healthcare Ergonomics and Patient Safety | Aging, Work, and Population Health

Resilience Engineering and Risk Management | Organizational Design and Management (ODAM) | Ergonomics for Sustainability and Climate Challenges | Anthropometry, Biomechanics, and Work Physiology | Visual Ergonomics and Work with Computing Systems | Musculoskeletal Disorders and Occupational Safety

Many of these sessions were organized as thematic symposia led by international technical committees (TCs) of the IEA, ensuring strong global representation.

Special Sessions and Workshops

The congress hosted specialized events that fostered interdisciplinary dialogue, including:

INCOSE HSI 2024 Joint Conference Sessions – human-systems integration panels and research papers co-located with IEA.

ISO/TC 159 Plenary Activities – integration of standards-setting activities into the scientific program, enabling standards developers and researchers to share insights.

Industry–Academia Forums – supported by sponsors such as LG Electronics and Harman Korea, showcasing applied ergonomics in consumer electronics, automotive design, and digital workplaces.

Student and Early-Career Researcher Program

The program dedicated space to students and early-career researchers, with vibrant poster sessions, networking opportunities, and mentoring activities. This engagement contributed to the sustainability of ergonomics as a discipline and ensured knowledge transfer across generations. In addition, the IDC program contributed significantly by supporting participants from IDC countries through funding and registration discounts, thereby broadening inclusivity and strengthening global participation in the congress.

Interdisciplinary and International Collaboration

The hybrid format of IEA 2024 enabled wide participation, though onsite attendance was dominant. Participants represented 55 countries, with major delegations from Korea, China, Japan, the USA, and Europe. Collaborative sessions with INCOSE and ISO highlighted the importance of linking ergonomics with systems engineering and global standards.

Program Statistics

Category	Count	Notes
Keynote Sessions	14	
Regular Sessions	523 papers	
Special Sessions	90 sessions	382 papers
Posters	223	
Total Presentations	1,141	

Session Types

Type	Count
General Sessions	114
Special Sessions & Symposia	90
Meetings	23
Total Sessions	232

6. Joint Events and Collaborations

- INCOSE HSI 2024: Joint international conference on Human Systems Integration, co-located with IEA 2024

The INCOSE HSI 2024, jointly co-located with IEA 2024, was successful despite being limited in participant numbers. The sessions provided valuable exchanges on Human Systems Integration, strengthening collaboration between the ergonomics and systems engineering communities. A special reception hosted by IEA on the second day offered additional networking opportunities and was warmly received by INCOSE delegates.

- ISO/TC 159 Plenary: The ISO Technical Committee on Ergonomics convened alongside IEA 2024, enabling close collaboration between researchers and standards developers.

The ISO/TC 159 Plenary on Ergonomics was held just before the start of IEA 2024, creating strong synergies between standards developers and the research community. Many plenary participants also contributed as speakers in the Congress, enriching the scientific program. The event received valuable government support, and overall proved highly beneficial to IEA by reinforcing links between ergonomics research, policy, and international standards.

7. Sponsorships and Exhibits

IEA 2024 Sponsors

As the Main Sponsor, LG Electronics provided substantial financial and logistical support to IEA 2024. Their contribution included the construction of a large-scale exhibition display valued in the millions, which became a central attraction at the venue. In addition, LG sponsored keynote sessions, ensuring world-class thought leadership was brought to the Congress. This exceptional support not only elevated the overall scientific and cultural profile of IEA 2024 but also significantly enhanced its international visibility and impact.

The IEA 2024 Sponsorship Program played a critical role in ensuring the success of the Congress. The structured tiers—Main, Platinum, Diamond, Gold, and Silver—enabled wide participation from corporations, institutions, and organizations.

- Main Sponsors (USD 40,000) provided extensive support, including free registration for up to 10 participants, premium exhibition space in the front hall, and opportunities to host special events such as the banquet.
- Platinum Sponsors (USD 24,000) received similar benefits, with complimentary exhibition space and hosting rights for receptions.
- Diamond Sponsors (USD 16,000) supported special sessions with complimentary registration for all presenters.
- Gold Sponsors (USD 8,000) contributed by organizing sessions with free registration for session organizers.
- Silver Sponsors (USD 4,000) also supported session organization and benefited from free registration for one participant.

This tiered structure allowed sponsors to not only contribute to the financial sustainability of IEA 2024 but also actively engage with participants through exhibitions, special sessions, and events. Their involvement enhanced the quality of the congress program, networking opportunities, and the international visibility of the event

Sponsors

Level	Sponsors
Main Sponsor	LG Electronics
Platinum	Ministry of Employment and Labor, Republic of Korea
Gold	Harman (A Samsung Company); ANYFIVE IP-R&D Service Platform; Hankyung National University; Tmoney; Jeju Convention & Visitors Bureau (Jeju CVB); Korea Occupational Safety & Health Agency (KOSHA); Seoul National University; YD&S Inc; Seoul National University Institute for Industrial Systems Innovation; Jeju Tourism Organization; Kingfar Corporation (China); SOCAR
Silver	Korea Expressway Corporation
Bronze	Jeju Special Self-Governing Province

In addition, 53 exhibitors showcased recent ergonomics technologies including VR/AR systems, wearables, HRI solutions, and workplace safety tools.

8. Communication and Outreach

The Congress was promoted through an official website and mobile app, active social media campaigns, and newsletters distributed via IEA federated societies. A media team of professional photographers and videographers worked throughout the conference, capturing key moments from scientific sessions, ceremonies, and social events. These photos and videos were promptly uploaded to the official conference website and shared across social media channels, ensuring real-time visibility and broad outreach. Both the Opening Ceremony and the Closing Ceremony were broadcast live via YouTube, allowing remote participants and the wider global ergonomics community to join virtually in these landmark moments. In addition, more than 20 newspapers covered the Opening Ceremony, further amplifying the international visibility of IEA 2024. This integrated approach to communications—combining professional documentation, social media engagement, live streaming, and traditional press—significantly enhanced participant experience and extended the impact of the Congress well beyond Jeju.

9. Finances

The financial outcome of IEA 2024 was a notable success, with the congress concluding on a positive balance despite its scale and the extensive logistical demands involved. This achievement was made possible through strong sponsor support, led by LG Electronics as the main sponsor. LG provided substantial financial backing and maintained a visible presence throughout the event, including large exhibition displays and contributions to keynote sessions. Their sponsorship significantly strengthened the financial foundation of the congress and elevated its international profile. In addition, the Professional Conference Organizer (ICC Jeju) and the Ergonomics Society of Korea (ESK) played vital roles in planning and execution. The dedicated efforts of student participants and volunteers further contributed to the smooth operation and overall success of the congress.

Financial Summary

Income

- Registration USD **579,667**
- Exhibits USD **24,607**
- Sponsorships USD **124,889**

Total Income USD **729,163**

Expenses

- Venue USD **189,838**
- Food & Beverage USD **93,497**
- Speakers USD **46,103**
- Committee Expenses USD **62,230**
- Facilities USD **100,259**
- IT & Publication USD **78,245**
- Operation & PCO USD **132,485**
- IEA Capitation Fees USD **20,440**

Total Expenses USD **723,097**

Net Result

Net Income USD **6,066**

10. Concluding Remarks

IEA 2024 achieved significant engagement. A total of 2,013 participants took part in the Congress, representing 55 countries. This included 1,377 paid registrations and 189 complementary registrations, amounting to 1,566 registered delegates. In addition, 150 IEA Executive Committee and Council members and 46 ISO participants attended. The event attracted 1,815 onsite participants and 198 online participants, while 53 exhibitors showcased their innovations in ergonomics and related fields. Participation from the co-located INCOSE HSI 2024 conference was limited, with fewer than 20 participants recorded. This indicates an area where additional outreach and joint promotion could be strengthened in the future. Online participation was also constrained, with only 198 attendees joining virtually. The time zone differences between Jeju and other regions proved to be a significant barrier, reducing the suitability of online engagement for a truly global audience. This experience highlights an important lesson for future planning: while hybrid formats offer flexibility, global inclusivity requires more careful scheduling or alternative online engagement strategies. The IEA 2024 Congress in Jeju was a milestone in advancing ergonomics worldwide. Its hybrid model, extensive scientific program, and joint events with ISO and INCOSE made it a landmark congress that successfully connected research, practice, and international policy.

11. Suggestions for Future Congresses

- Hybrid participation for inclusiveness

Hybrid participation should continue to be part of future congresses for inclusivity. Although online participation was limited by time zone barriers, the hybrid model still allowed access for those unable to travel. Offering recorded sessions, flexible scheduling, and asynchronous interaction will make hybrid formats more effective and inclusive.

- Collaboration with ISO/TC 159 and INCOSE

Collaboration with ISO/TC 159 and INCOSE proved valuable, but participation from INCOSE was modest. Strengthening joint promotion, harmonizing schedules, and creating more co-hosted sessions will encourage deeper cooperation and stronger engagement across communities.

- Student engagement programs

Students are the future of ergonomics and human factors. Expanding scholarships, dedicated sessions, mentoring opportunities, and competitions will enhance student involvement and ensure the continued growth of the profession.

-Industry partnerships

Industry partnerships were a key success factor, with LG Electronics providing exceptional support as Main Sponsor. Building similar collaborations with international and local industries will provide resources, enrich applied perspectives, and raise visibility for both industry and academia.

-Global sponsorship

Sponsorship at IEA 2024 was largely concentrated in Korea and China. Future congresses should broaden the sponsorship base globally to ensure more balanced representation, diversified funding, and greater international visibility for ergonomics.

-Sustainable event practices

Sustainability should also become a guiding principle for future events. Reducing printed materials, minimizing catering waste, choosing energy-efficient venues, and encouraging eco-friendly travel options will align IEA congresses with global environmental responsibilities while showcasing leadership in sustainable event practices.