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WG Website

Achievements – IMIA WG Events and projects conducted, and publications completed


B. The WG contributed jointly with the “Organizational Issues” WG and the “Evaluation” WG to a position paper in the IMIA Yearbook 2023: “One Health: Insights from Organizational & Social, Technology Assessment and Human Factors Perspectives” (Philip Scott, Craig Kuziemsky, Xinxin Zhu, Christian Nøhr, Elske Ammenwerth, Polina Kukhareva, Linda Peute, Romaric Marcilly)

C. The WG contributed to a funding application for a Dutch feasibility study on involving hard-to-reach people in User Experience research with digital health innovations. The application was approved and will be performed in September-December 2023. Hereafter the results of study will be forwarded on an international level for international funding.

D. The WG accepted to take part in a H2020 project that aims at developing a personal health record to support migrant women and refugees and their partners to obtain adequate access to maternity care. We are currently investigating which Academic eHealth Labs associated with the WG could contribute to this project.

E. Members of the group published collaboratively or individually numbers of paper. Some instances:


**Describe WG/SIG Participation - Engagement and participation in IMIA, IMIA Region or member health informatics events and activities in the past year**

A. **MedInfo 2023.** The chair and the co-chair supported MedInfo 2023 review process as SPC members in charge of “Track 2: Quality, Safety and Outcomes”

B. **CSHI 2023 (pre-medinfo conference).** The HFE4HI working group supports the organization of the conference CSHI 2023 which will be held in Sydney and is being led this year by the chair of the IMIA’s “organizational and social issues” working group and the European federation for medical informatics’ (EFMI) “human and organizational factors of medical informatics” working group. Paper reviews were performed by members of the IMIA working group and a university collaboration was set-up where Sydney hosts a student trainee at the University of Amsterdam, department of Medical informatics who will also support preparation of the CSHI conference by the chair of the working group.

C. **Other conferences.** Members of the group presented their research to several conferences (ex. MIE, HEPS, AMIA) and organized or contributed to panels and workshops at the Medical Informatics Europe 2023 conference. For instance: panels on Understanding System Coordination As An Enabler of One Digital Health and on the use of the SEIPS model (cf. supra), a working group on Design Thinking for Digital Health Solutions: Empowering Medical Informatics Students (Lisbeth van der Berg, Thomas Engelsma, Linda Peute)

D. **The WG initiated a discussion on green medical informatics:**

   At **ICIMTH 2023**: Organizational and Human Factors in Green Medical Informatics – a Case Study in Dutch Hospitals

      a. Training Healthcare Professionals to Mitigate the Climate Challenge – Development of a Lean Six Sigma E-learning (M Sijm-Eeken, L Peute, M Jaspers)

      b. Organizational and Human Factors in Green Medical Informatics – a Case Study in Dutch Hospitals (M Sijm-Eeken, R Marcilly, M Jaspers, L Peute)

   At the **HEPS 2023** conference, Delft, by meeting with WG partners.

   At the **Zorg & ICT beurs**, Utrecht, Netherlands, meeting with WG partners.

   At the **Medical Informatics in Europe 2023** conference, in Goteborg.
a. Organization of a workshop: How to use the System Engineering Initiative for Patient Safety (SEIPS) to make Healthcare more Sustainable? (Romaric Marcilly, Thomas Engelsma, Valentina Lichtner, Linda Peute)


The discussions should lead to submitting a paper by the end of 2023

E. Seminars. The members co-organized a series of two seminars on Human and Organizational Factors and Pharmaceutical Safety (Lille, June 20th 2022; Dublin, September 29th 2022)

Provide details of the WG/SIG’s Outreach - Recruitment and engagement of new members and target communities, publicity, and representation at major events and/or on social media.

A. Conferences. The WG activities are promoted as soon as possible during the conferences the WG took part to (MIE, HEPS, CSHI, Medinfo, ICIMTH)

B. Open to other communities. For the purpose of its projects, the WG contacted and recruited experts from other communities (ex. pharmacists).

C. The WG supported the exchange of international students in Medical Informatics applying Human Factor engineering methods in Health informatics.

   a. We increased collaboration with the IPHIE (International Partnership in Health Informatics Education) and proposed a Novel Hybrid short-term Exchange Program in Biomedical and Health Informatics Education. We exchanged two students from Heidelberg and will also promote a new exchange in September.

   b. We supported the 4 month exchange of a Student from the Amsterdam UMC to The Human Factor engineering group of prof. Baysari in Sydney.

   c. We will support the exchange of two students from the University of Wales Trinity Saint David, from prof. Phillip Scott

D. The Masterclasses attracted new Human factor researchers who attended the online conference: establish an international academic workspace eHealth Living & Learning Lab at the Amsterdam UMC for HFE Methods in HI collaboration and international online teaching at global Medical Informatics curricula. In Sept ’22 the elective program sustainable eHealth, consisting of 18 European Credits, was launched adhering to IMIA educational recommendations.

E. Objective for next year: to organize 3 online seminars / year during which senior and junior researchers could present their current research activities or last publications.

Current List of members

Nicholas Garbien, Matthias Ganzinger, Thomas Engelsma, Liesbeth van den Berg, Tamasine Grimes, Alison Butler, Romaric Marcilly (vice-chair), Linda Peute (chair).

Please note that not all members have the same level of involvement in the group. Some are active and others are observing. Their level of involvement changes over time depending on the opportunity.