Workshop Title:
The second international workshop on Health Informatics Education (HI-Edu 2023)

Organizers:

Chairs:
- Leming Zhou, PhD (contact), Associate Professor and Program Director of Master of Science in Health Informatics, Department of Health Information Management, University of Pittsburgh, Pittsburgh, PA, US. Leming.Zhou@pitt.edu
- Huanmei Wu, PhD, Department Chair, Professor and Assistant Dean for Global Engagement, Department of Health Services Administrator and Policy, College of Public Health, Temple University, Philadelphia, PA, US. Huanmei.Wu@temple.edu
- Yanshan Wang, PhD, Vice Chair of Research and Assistant Professor, Department of Health Information Management, University of Pittsburgh, Pittsburgh, PA, US. Yanshan.Wang@pitt.edu
- Stephen Abah, FWACP (Comm. Health), Deputy Vice-Chancellor and Professor, Federal University of Health Sciences Otukpo, Nigeria. abah.steve@fuhso.edu.ng

Steering committee:
- Bambang Parmanto, PhD, Professor and Chair, Department of Health Information Management, University of Pittsburgh, Pittsburgh, PA, US. parmanto@pitt.edu
- Yiye Zhang, PhD, Assistant Professor, Weill Cornell Medicine, Cornell University, New York, NY, US. yiz2014@med.cornell.edu
- David Marc, PhD, Associate Professor and Department Chair, Department of Health Informatics & Information Management, College of St. Scholastica, dmarc@css.edu
- Hongfang Liu, PhD, Professor of Biomedical Informatics, Section Head of Medical Informatics, Mayo Clinic, Rochester, MN, US. Liu.Hongfang@mayo.edu

Workshop Description:

The advancement in biotechnologies and health information technology has created the opportunity to generate and collect digital health-related data. The wide adoption of electronic health record (EHR) systems, smart devices, and social media has produced enormous amounts of data. To utilize the rich data in health care, it is an urgent need to train many qualified Health Informatics (HI) professionals and researchers to manage, explore, analyze, and explain the healthcare data. For that purpose, many new health informatics (HI) education programs have been created in the last decade.

Researchers and educators also have devoted significant time and efforts to explore the best approaches for providing high-quality HI education so that HI graduates can overcome the challenges they face in their careers. However, as an interdisciplinary field, there are different patterns of HI education around the world with various challenges. Moreover, the large amount of health data presents unprecedented opportunities and challenges for training with hands-on experiences on real-world data to solve real-world problems.

To shape the future of health informatics education, we organized the first International Workshop on Health Informatics Education (HI-Edu) in 2022 in conjunction with the 10th IEEE International Conference on Health Informatics (ICHI 2022). It was a great success. It provided a unique platform for close interactions among educators,

researchers, students, scholars, and industry professionals who are interested in HI education. We would like to continue this activity during the ICHI 2023. This will be a one-day workshop that consists of a keynote speech, invited talks, podium talks, and poster presentations.

We will invite full papers (regular and short papers) and abstracts on novel approaches, works in progress, and original state-of-the-art projects in HI education activities, HI education program development, HI education research, tools and resources for HI education, and case studies. Selected papers will be presented as podium talks, and other interesting submissions and abstracts will be showcased as poster presentations.

Audience:
The target audience includes health informatics researchers, educators, and students. Anyone interested in health informatics education is welcome. Educators, researchers and students in health informatics and other related areas who are interested in learning about and sharing health informatics education approaches and resources are strongly encouraged to attend. Potential attendees may come from health informatics, health information management, public health, and health care administration communities. The anticipated number of attendees is around 50.

Publicity:
To attract attendees, we will advertise the workshop widely, including (1) sending emails using community mailing lists; (2) creating a dedicated website for the workshop, (3) contacting individuals through personal connections of organizers and committee members, (4) leveraging social media such as LinkedIn and Twitter, and (5) contacting other closely related education programs such as biomedical informatics and information science to attract additional attendees.

Workshop Structure:

This will be a one-day workshop (7 hours + breaks). We plan to have the following workshop structure:
- 1 hour for an invited keynote presentation
- 1 hour for two invited talks
- 3 hours of podium talks of accepted papers (session 1)
- 1 hour for a round table panel discussion and open Q&A session
- 1 hour for poster presentations of accepted abstracts.
- Two breaks between the sessions

Reviewing:
We will accept both full paper and poster submissions of original studies in health informatics education. All submissions will be submitted and handled through EasyChair. A program committee (PC) will be formed consisting of members from the steering committee and other researchers with experience in health informatics education. All submitted papers will undergo a peer review process conducted by at least 2 reviewers from the PC. All accepted submissions will be presented at the workshop and published in the IEEE ICHI 2023 Proceedings (including archived in IEEE Xplore Digital Library). Accepted papers with high quality may be recommended to a special issue of a BMC journal.

Call for Papers:
See below for a draft.

**The Second International Workshop on Health Informatics Education (HI-Edu 2023)
in Conjunction with the 11th IEEE International Conference on Healthcare Informatics (ICHI 2023)**

June 9th, 2023, Houston, TX, USA

Call for Participation

The advancement in biotechnologies and health information technology has created the opportunity to generate and collect digital health-related data. The wide adoption of electronic health record (EHR) systems, smart devices, and social media has produced enormous amounts of data. To utilize the rich data in health care, it is an urgent need to train many qualified Health Informatics (HI) professionals and researchers to manage, explore, analyze, and explain the healthcare data. For that purpose, many new health informatics (HI) education programs have been created in the last decade.

Researchers and educators also have devoted significant time and efforts to explore the best approaches for providing high-quality HI education so that HI graduates can overcome the challenges they face in their careers. However, as an interdisciplinary field, there are different patterns of HI education around the world with various challenges. Moreover, the large amount of health data presents unprecedented opportunities and challenges for training with hands-on experiences on real-world data to solve real-world problems.

To shape the future of health informatics education, the 2023 International Workshop on Health Informatics Education (HI-Edu) will provide a unique platform for close interactions among educators, researchers, students, scholars, and industry professionals who are interested in HI education. We are calling for papers and abstracts about original education research, best practices, case studies, and works in progress in HI education methods, tools, applications, and resources.

Topics of interest
Topics of interest include but are not limited to:
- HI Education Research: any original educational research in HI education.
- HI Education program development and curriculum improvement
- Pedagogy for High-Quality HI Education: any general or specific pedagogy for HI education.
- Tools and Resources for HI Education: such as data sets, apps, websites, etc., for HI education.
- Challenges in HI Education: any challenges and obstacles facing the HI education and training
- The Current State of HI education: such as the global environment in HI education and training.
- HI Education: opportunities and constraints
- Case studies: best practice, research projects, and case studies in HI education

and training

Schedule-at-a-Glance
- **Keynote speech,** 1 hour
- **Invited Talks,** 1 hour
- **Paper presentation**, 3 hours
- **Round table discussion,** 1 hour
- **Poster presentation**, 1 hour

Submission and Review
We are inviting contributions to the HI-Edu 2023, including regular papers, short papers, and abstracts.
- **Regular papers** (8-10 pages, references not counted towards the page limit) will describe mature ideas, where a substantial amount of implementation, experimentation, or data collection and analysis has been completed.
- **Short papers** (4-6 pages, excluding references) will describe innovative ideas, where preliminary implementation and validation work have been conducted.
- **Abstracts** (1 page, including references) will describe work in progress and preliminary results

Your submissions must adhere to the IEEE Proceedings Format. All papers will be submitted and handled through EasyChair. Submissions must contain the names and affiliations of authors listed on the paper. The review process will be single-blinded.

Presentation and Publication
All accepted submissions will be published in IEEE Xplore and indexed in other Abstracting and Indexing (A&I) databases. Accepted papers will have an oral presentation slot at the conference. Accepted abstracts will have a poster presentation slot. Selected papers may be recommended to a special issue of a BMC journal.

Organizers
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- Huanmei Wu, PhD, Temple University, US
- Yanshan Wang, PhD, University of Pittsburgh, US
- Stephen Abah, FWACP, Federal University of Health Sciences Otukpo, Nigeria

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- Yiye Zhang, PhD, Weill Cornell Medicine, Cornell University, US.
- David Marc, PhD, College of St. Scholastica, US
- Hongfang Liu, PhD, Mayo Clinic, US.

Important Dates
- Deadline for all submissions: **March 1st, 2023**
- Notification of decisions: **March 15th, 2023**
- Camera ready workshop paper: **March 30th, 2023**
- Workshop date: **June 9th, 2023**

More information

- For more information about IEEE ICHI 2023, please visit
https://ieeeichi.github.io/ICHI2023/