

CALL FOR PARTICIPATION: BRIDGING AI TECHNOLOGY AND NURSING

The main objective of this Bridge Project is to improve the healthcare services of nurses to their patients by building stronger bridges of communication and collaboration between the communities of AI Technology and *nursing*, especially during the design of AI applications that are intended to *augment* work performed by nurses.

As an initial part of the AAI-23 conference, we shall bring together representatives from the communities of AI technology and nursing for one full day of educational human interaction. Human interaction of nurses with their patients affects, of course, the quality of care provided. However, if human services of nurses are to be augmented via introduction of AI tools, then careful attention during the designing of those tools must be given as well to interaction between nurses and the AI tools. Satisfying this requirement can involve specific topics such as a nurse's trust of the tool, how quickly the nurse needs the tool to respond, or how well nurse and tool (e.g., in the case of deep learning applications) can communicate.

Our educational one-day event will conduct morning open forum tutorial sessions for review (allowing answers for possible outstanding questions) of prepared material that has been furnished in advance to all participants concerning information that the communities of AI technology and nursing need to share in order to *communicate* effectively. Afternoon sessions then will focus upon moderated discussion, *collaborating* to formulate specific Grand Challenges regarding future AI tools appropriate for the participating different types of nursing, followed by summing up of what has been learned and is reported to the main AAI-23 conference. This day of communication and collaboration will furnish the foundation for *ongoing* post-conference learning activity, assisted by use of our website (<https://shapingsmarttechnology.org>).

We identify three categories of participating target audiences for this project:

“Prepared” participants (totaling 40-60 people) will represent AI technology and nursing communities and are understood to be organizations able and willing to prepare, in advance of AAI-23, tutorial materials satisfying submission requirements specified by our Organizing Committee [Dr. Ted Metzler, OCU; Dr. Lundy Lewis, SNHU; Dr. Elizabeth Diener, OCU; Dr. Susan Barnes, UCO; the Rev. Linda C. Pope, United Methodist Church].

“Registrant” participants will be individuals interested in our subject who may wish initially just to register with AAI for attending the one-day event. They also will be able, of course, to participate in its proceedings.

“Ongoing” participants will be either individuals or organizations first engaging or continuing to engage our ongoing program *after* AAI-23, via our website or through outreach from our Organizing Committee or other participants in the program. We are expecting that members of this category progressively will form the largest community within our bridging project.

If you believe that your organization may wish to participate in the *Prepared* manner, please contact our Organizing Committee Chair, Dr. Ted Metzler at metzlerted1@gmail.com for a Preparation Information document which will furnish details of the materials to be submitted for our Organizing Committee's approval and invitation to participate.

Although *Registrant* participants will not be obligated to complete any preparatory work that is to be approved by our Organizing Committee, they also may obtain useful information at any time by contacting metzlerted1@gmail.com.

Ongoing participants will be welcome to contact metzlerted1@gmail.com after the AAI-23 conference for information concerning our Bridging AI Technology and Nursing initiative. Our website also will supply timely updates regarding the project's activities. Although Bridging AI Technology and Nursing has originated in the state of Oklahoma, USA, we certainly welcome international participation and may later label the program BAITAN for ease of global reference.