5th International Conference on

Medical Informatics & Telemedicine

August 31- 01 September, 2017 | Prague, Czech Republic

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ASSESSMENT OF TELEMEDICINE FROM DIFFERENT PERSPECTIVES

Assessment is an important factor for improvement on the part of the users and stakeholders of telemedicine programs. It provides feedback from which those involved can learn and make the necessary changes to enhance the operating environment. This presentation will discuss the following aspects of assessment with regard to telemedicine:

1. Computing methodology and software systems, including the valuation of the different technologies used today: pro and con, and the issues and problems that presently exist and how to improve upon them and

2. Ethics, including the assessment of clinical practices, e.g. the delay in treatment, compromised databases, doctor-patient relationship, equity of access, and threats to privacy and

3. Training of providers, including the design of courses.

With regard to the last subtopic, we will provide a somewhat innovative approach to assessment that will enhance the preparation of telemedicine providers for future success as creative and analytic providers of the future. The presentation will address the classification and goals of standard approaches to assessment, and a model of how to accomplish the aforementioned inventive approach, and its relation to mathematical concepts.

Biography

Marion Ben Jacob has a Ph.D. in theoretical mathematics and is ABD in computer science. She is a Professor in the Department of Mathematics and Computer Sciences at Mercy College for over 36 years. She teaches courses in mathematics and computer science, both in the traditional classroom and online. She has published articles on, assessment, mathematics, computer science, computer ethics, pedagogy, online teaching/distance education, collaborative learning, and global learning. She is the editor and a contributing author of Integrating Computer Ethics across the Curriculum. She is the author of an e-book, Computer Ethics: Integrating across the Curriculum.

David Wang is an Associate Professor of Computer Science at Mercy College. He has led several NSF STEM and Microsoft grants totaling more than $1,000,000. He has served on the Content Advisory Committee for New York State Teacher Certification., as well on the Computer Science Review Committee for the joint ACM & IEEE 2001 Curriculum Project. As Associate Dean of School of Liberal Arts, he was a member of college-wide strategic planning committee and led the school's academic program assessment efforts.

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J Health Med Inform, an open access journal
ISSN: 2157-7420

Medical Informatics 2017
August 31- 01 September, 2017

Volume 8, Issue 4 (Suppl)

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