

Psychiatry Grand Rounds

WCM Department of Psychiatry

Psychology CE Announcement

Wulfson Memorial Lecture

Advancements in Telepsychiatry, Mobile Health, and Artificial Intelligence in Medicine: Are You Ready for What's Next?

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University of Washington School of Medicine, Seattle.

Wednesday, January 18th, 2023

11:00am – 12:30pm

<https://weillcornell.zoom.us/j/92812036154>

Meeting ID: 928 1203 6154

Password: 12345

*1.5 CE credit available to full time and voluntary faculty psychologists and Social Workers who sign in with their full name, attend the majority of the lecture and complete a survey which will be emailed following the completion of the lecture.

SPEAKER DISCLOSURE:

Dr. Luxton has no relevant financial relationship(s) with ineligible companies to disclose and DOES NOT INTEND to discuss off-label or investigational use of products or services.

Dr. Luxton is a nationally recognized expert and trainer in suicide prevention, telehealth, and innovative technologies in behavioral healthcare. He previously served as a Research Health Scientist at the Naval Health Research Center in San Diego CA, and Research Psychologist and Program Manager at the National Center for Telehealth and Technology (Defense Health Agency), Joint-Base Lewis McChord. He's published four books: Artificial Intelligence in Behavioral and Mental Health Care (2015), A Practitioner's Guide to Telemental Health (2016), Behind The Machine (2020), and The Goldilocks Zone (2021). He's helped to develop national guidelines for telemental health and clinical best practices in the use of technology in behavioral healthcare. In 2015, I was awarded the American Psychological Association Division 19 (Military Psychology) Arthur W. Melton Award for Early Career Achievement. Dr. Luxton is a licensed clinical psychologist and served in the U.S. Air Force.

Abstract:

Artificial Intelligence (AI) is transforming healthcare and the patient-provider relationship. AI detects emotional states, identifies patterns in health records and diagnostic data, and assists with diagnoses and prognoses. Social robots and intelligent virtual agents can now serve as therapeutic coaches, companions, trainers, assistants, and consultants - roles that human professionals have traditionally performed. AI-enabled mobile technologies are also changing telemedicine and self-care, enabling all-new capabilities for patient care and public health. Additional leaps in AI and associated technologies are set to disrupt psychiatry and behavioral health professions even further, but are you ready for these changes? This lecture covers some of the most recent and near-future advancements in telemedicine, mobile technologies, and artificial intelligence applications in psychiatric and behavioral health care. Ethical considerations and some overlooked risks, dangers, limitations, and opportunities are covered. This lecture will interest the clinician, health administrator, and researcher alike.

Learning Objectives:

1. Analyze the most recent advancements in technology for behavioral health treatments and services.
2. Describe the application of interactive AI virtual care providers.
3. Discuss the current and emerging ethics issues relevant to clinical practice and public health.

References:

1. Hilty, D. M., Armstrong, C. M., Luxton, D. D., Gentry, M., Krupinski, E. (2021). A Scoping Review of Sensors, Wearables, and Remote Monitoring For Behavioral Health: Uses, Outcomes, Clinical Competencies, and Research Directions. *Journal of Technology in Behavioral Science*. 1-36. doi:10.1007/s41347-021-00199-2
2. Luxton, D. D. (2022). AI Decision Support: A Dystopian Future of Machine Paternalism? *AMA Journal of Ethics*. 48(4). doi:10.1136/medethics-2022-108243
3. Luxton, D. D. (2020). Ethical Challenges of Conversational Agents in Global Public Health. *Bulletin of the World Health Organization*. 98:285-287. doi: <http://dx.doi.org/10.2471/BLT.19.237636>
4. Luxton, D. D. (2019). Should Watson be consulted for a second opinion? *AMA Journal of Ethics*. 21(2), E131-137. doi: 10.1001/amajethics.2019.131
5. Luxton, D. D. & Hudlicka, E. (2021). Intelligent Virtual Agents in Healthcare: Ethics and Application

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