

# **Proceedings of the 2023 Design of Medical Devices Conference (DMD2023)**

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**THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS**

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## **WELCOME TO THE 2023 DESIGN OF MEDICAL DEVICES CONFERENCE**

The following papers were submitted, peer reviewed, and accepted for presentation at the 2023 Design of Medical Devices (DMD) Conference ([dmd.umn.edu](http://dmd.umn.edu)). The conference was held April 17-19, as part of the 2023 Institute for Engineering in Medicine's Innovation Week.

Each year, this leading international forum invites high-quality technical submissions from the academic, clinical, and/or industry medical device community. This proceedings consists of accepted papers in the following technical tracks: Cardiovascular, Computational Modeling & Simulation, Cybersecurity & Digital Devices, Human Factors & Wearable Devices, Medical Device Materials & Manufacturing Methods, Medical Device Education & Training, Medical Robotics, Neuroengineering, Orthopedics & Rehabilitation, Special Devices, and Surgical Tools.

One of the primary goals of DMD is to provide a neutral forum to bring medical device designers, manufacturers, researchers, and representatives from the public sector together to share their perspectives on medical device design. We very much appreciate the authors for submitting their work to the conference.

Congratulations to all the authors for publication of your technical papers in this conference proceedings!



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