

## Biomedical Signals AI with MATLAB/Simulink

Artificial Intelligence's (AI) primary aim in a health-related environment is to provide clinical decision and diagnostic support by analyzing relationships between treatment options and patient outcomes. AI has also been developed for patient monitoring and care, drug development and disease prevention. Medical device manufacturers are using these technologies to innovate their products to better assist health care providers and improve patient care.

In this **webinar**, you will learn how to develop AI applications using MATLAB on the vast data generated during the delivery of health care every day. You will find out about tools and fundamental approaches for developing advanced predictive models on biomedical signals. We will cover the entire AI pipeline from all the way from signal exploration to deployment using both machine learning and deep learning approaches.

In this **webinar**, you will write code and use MATLAB Online to:

- Annotate time series biomedical signals automatically
- Train AI models on GPUs in the cloud.
- Create deep learning models using CNNs and LSTMs for biomedical signal data
- Create machine learning models for biomedical signal data
- Apply advanced signal pre-processing techniques for automated feature extraction
- Automatically generate code for edge deployment of AI models

