



### Integrating real-time physiologic monitoring using Mindware and the Observer XT

#### INSTRUCTOR RESUME



Gene Barbanera is the Product Sales Manager / VAR Relationship Manager, at Mindware Technologies, and brings to Mindware a background of experience in Amplifier Design, B2B Internet Exchange Software Development Project Management, and Core Banking Systems Integrations, as well as Division level Operations and Sales Management experience. Gene's past has included working on projects in Istanbul, Turkey, Prague, Czech Republic, and is currently managing projects within China, Japan, as well as in USA.

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#### BENEFITS OF THE TUTORIAL

This tutorial will demonstrate the use of MindWare's Bionex data acquisition platform and the real-time analysis capabilities of their software and the external data import function of the Observer XT.

#### FEATURES

This integration allows for the online derivation of higher order physiologic measurements such as heart rate variability (RSA), pre-ejection period (PEP), and stroke volume (SV) historically requiring post-analysis processing. Using Observer XT, you can easily import the statistical information allowing for analysis of physiology indexed by behavior and vice versa.

#### AUDIENCE

This tutorial is intended for novice or experienced users of The Observer XT's External Data Module and researchers interested in physiological data acquisition and signal processing.