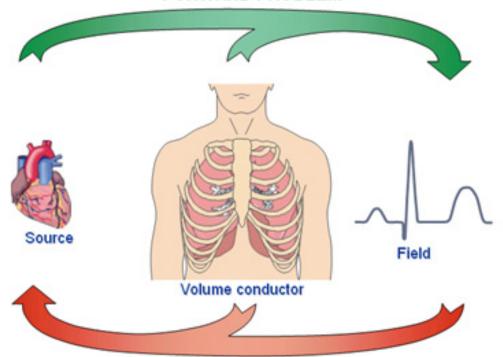


To determine the FIELD from the known source and conductor is called the FORWARD PROBLEM



To determine the SOURCE from the known field and conductor is called the INVERSE PROBLEM

Dipartimento di Ingegneria Aula del Consiglio via Roma 9, Aversa (CE)

Mercoledì 03.07.2019 ore 11.00

Title

Biomedical
Engineering
Research program
in the greater
Western Sydney
area:
an overview

Seminario

Abstract

Biomedical engineering is one of the most multi-disciplinary fields of engineering.

Medical devices are mainly electronic devices. Without electrical and electronic engineers the recent advances in medical sciences would not have been possible.

This talk will provide you an overview of the Biomedical Engineering program focusing on electronic medical devices currently under development/clinical trial in one of the most dense populated areas in Australia.

Speaker

Dr. Gaetano, D. Gargiulo SCEM, Western Sydney University, Penrith NSW

g.gargiulo@westernsydney.edu.au

Biography

Gaetano D. Gargiulo is a recognized expert in biomedical engineering, electronic instrumentation and bio-signals sensing and analysis including: human-computer interfaces, brain-computer interfaces, prosthesis and smart wearable systems. Listed as inventor on several awarded patents in the field of biomedical engineering, he is been awarded research funding in excess of AU\$1.5M and contributed to the spin-off of six start-up companies that have raised private investment in excess of AU\$5M.

He currently works for the School of Computation Engineering and Mathematics at Western Sydney University where he is in charge of the sub-major degree in Biomedical Engineering, the Master by Coursework specialization in Biomedical Engineering and the Biomedical Engineering research program. He is also an internationally know underwater photographer.

Contatti

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Scuola Politecnica e delle Scienze di Base Dipartimento di Ingegneria