

Clinical and Biomedical Engineering in Europe

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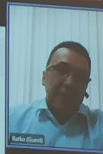


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International Federation for Medical and Biological
Engineering
President

XI Spring School on
"IoT, economic and management challenges for e-health integration in the enlarged Europe"
Trieste, Italy, June 5th – 8th, 2023



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Grand Challenges in 21st Century Reverse-engineer the brain



- The intersection of engineering and neuroscience promises great advances in health care, manufacturing, and communication.
 - Understanding how and why brain works and fails
 - Simulations leading to more sophisticated methods for testing new technologies like drugs and neural implants
 - Artificial retina
 - Cochlear implants
 - Movement and prosthesis control
 - Fighting dementia, Parkinson disease....
 - Building smarter computers

• <http://www.engineeringchallenges.org/cms/8996/9109.aspx>



Radosław Magdziński

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