

## **Mariusz Ziejewski, Ph.D. Inż.**

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and

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### **MARIUSZ ZIEJEWSKI, PH.D., INŻ**

Pronounced as: \ Jay – F – ski \

Dr. Ziejewski is a Professor in the College of Engineering at North Dakota State University where he is the director of the Impact Biomechanics Laboratory and the director of the Automotive Systems Laboratory. Dr. Ziejewski is also an Adjunct Professor in the Department of Neuroscience at the University Of North Dakota School Of Medicine. Dr. Ziejewski has performed human body dynamics research for the Armstrong Aerospace Medical Research Laboratory, Human System Division which is part of the United States Air Force. He has been a member of the National Highway Traffic Safety Administration (NHTSA) Collaboration Group on Human Brain Modeling. He has been involved in Emergency Room (ER) Biomechanical Brain Injury Evaluation, at Meritcare's Trauma Center, Fargo, ND. He was appointed Editor-in-Chief for North American Brain Injury Society (NABIS) Conferences and Proceedings. Dr. Ziejewski was also named the founding chair of the Blast Injury Institute of NABIS. He was invited to chair three scientific peer review committees for the Department of Defense (DoD) Post Traumatic Stress Disorder/Traumatic Brain Injury (PTSD/TBI) Research Program, ("Physics of Blast as it Relates to Brain Injury"). His research activities include the entire human body focusing on head/neck dynamics. Over the years he has received many research grants, currently one of his grants is 0.5 million dollar contract focusing on "Blast and the Consequences on Traumatic Brain Injury – Multiscale Mechanical Modeling of Brain." A second grant of a 0.6 million dollars, "Blast Pressure Gradients and Fragments on Ballistic Helmets and the Head and Brain Injury-Simultaneous Multiscale Modeling with Experimental Validation" was accepted for funding. He has been invited to give many national and international presentations, including governmental agencies such as the United States Consumer Products Safety Commission. Dr. Ziejewski has published four (4) book chapters on brain and neck injury and over one hundred twenty-five (125) technical refereed articles.