

O predavaču

Staniša Raspopović radi na ETH Cirih. Master u oblasti Biomedicinskog inženjerstva je stekao na Univerzitetu Piza 2007, a doktorirao je u oblasti Biorobotike u Scuola Superiore Sant'Anna, Piza 2011. Poslednjih godina radi kao istraživač na EPFL, Lozana, Švajcarska. Od 2014. je suvlasnik spin-off kompanije SensArs Neuroprosthetics na EPFL koja razvija neuroprotetske uređaje za amputacije. Njegova istraživanja su fokusirana na razvoj inovativnih uređaja za lečenje neuroloških osoba sa invaliditetom. Radi na razvoju mehatronskih sistema koji se direktno povezuju na nervni sistem, baziranim na preciznom hibridnom računskom modeliranju, koji je naučna osnova za razvoj tehnologije zasnovane na hipotezama. Učestvuje u testiranju ovih sistema na životinjama i ljudima. Postigao je inovativne rezultate translacionih istraživanja u oblasti senzornog obnavljanja pacijenata sa amputacijama. Pomoću neuroprotetske intervencije, amputanti su mogli prepoznati silu i teksturu sa veštačke ruke. Dobio je nekoliko grantova iz EU i Švajcarske u svojstvu vođe projekta, a trenutno je PI ERC granta *FeelAgain*.

About the lecturer

Staniša Raspopović is presently at ETH Zurich. He received the MS in Biomedical Engineering with full marks from the University of Pisa in 2007 and the Ph.D. in Biorobotics, from Scuola Superiore Sant'Anna, Pisa in 2011. During last years, he worked as the Scientist at EPFL, Lausanne, Switzerland. In 2014 he co-founded SensArs Neuroprosthetics, a spin-off company of the EPFL that develops neuroprosthetic systems for amputees. His research interest is focused on the development of innovative devices for treatment of neurologically disabled persons. In particular he develops mechatronic systems directly interfacing the environment with the residual nervous system, based on the exact hybrid computational modeling, which is the scientific basis for the hypothesis-driven technology development. He directly participates in the animal and human testing of these systems. He achieved the groundbreaking translational research results in the field of sensory restoration in amputee patients. By means of neuroprosthetic intervention, amputees were able to recognize the force and texture from the artificial hand. He won several grants from EU and Switzerland in the role of a project leader, and is presently the PI of ERC starting grant *FeelAgain*.