



Home > People

Research Interests

- Labs & Groups
- Projects
- Publications

Search

People go

Advanced Search

Look in
 Name Email
Include
 Former RI Members



Branislav Jaramaz

Associate Research Professor, RI

Email: branko@cs.cmu.edu
Office: NSH A413
Phone: (412) 268-8407
Fax: 412-268-5571

Mailing address:
Carnegie Mellon University
Robotics Institute
5000 Forbes Avenue
Pittsburgh, PA 15213

Administrative Assistant: [Stephanie Matvey](#)

Affiliated Center(s):

- [Medical Robotics Technology Center \(MRTC\)](#)
- [Vision and Autonomous Systems Center \(VASC\)](#)

[Personal Homepage](#)

Research Interests

My primary interests are in computational biomechanics and computational geometry and applications in computer assisted surgery, medical planning, simulation and analysis. Most of my work is focused on applications in orthopaedic surgery, primarily on the adult reconstruction surgery. Our computer assisted surgical system for total hip replacement - HipNav, is currently used in clinical pre-trials in UPMC Shadyside. My current work includes development of new image guided surgical systems and applications, and development of robust methods for patient-specific computational biomechanics models.

Research Interest Keywords

[bioengineering](#), [medical applications](#), [medical imaging](#), [medical robotics](#)