

# Alabama State University

## Biomedical Engineering Program

### External Advisory Board Members



Dr Treena Livingston Arinzeh  
Distinguished Professor, Bio-Medical Engineering

#### **Dr. Treena Livingston Arinzeh**

- A Professor of Biomedical Engineering at the New Jersey Institute of Technology (NJIT).
- Received her B.S. in Mechanical Engineering, from Rutgers University
- M.S.E. in Biomedical Engineering from Johns Hopkins University
- Ph.D. in Bioengineering from the University of Pennsylvania.
- She worked for several years as a project manager at a stem cell technology company.
- She joined faculty of NJIT as one of the founding faculty members of the department of Biomedical Engineering and served as interim chairperson and graduate director.
- Her most notable or cited work to date has been in the use of allogeneic mesenchymal stem cells (MSCs) with bioactive ceramics to induce bone formation in a large bone defect without the use of immunosuppressive therapy
- Dr. Arinzeh has been recognized with numerous awards, including the National Science Foundation (NSF) CAREER Award and the Presidential Early Career Award for Scientists and Engineers (PECASE).
- She was nominated by the Governor of Connecticut to the Connecticut Stem Cell Research Advisory Committee
- She has also made a significant impact in the recruitment and mentoring of underrepresented minorities and women in biomedical engineering and other STEM fields.



Dr. Latisha Salaam  
Principal Scientist/Engineer R&D at P&G

- Dr. LaTisha earned a B.S. in Chemical Engineering from Tuskegee University in Tuskegee, Alabama,
- Received her master and doctorate degree in Biomedical Engineering from the University of Alabama – Birmingham where she currently serves on the department's External Advisory Board.
- Her dissertation research was in the area of characterization and application of synthetic biopolymers as drug delivery systems.
- After completion of her education, she held research positions at 3M and Zimmer where she developed technologies and methods of characterization, prototyped and designed consumer products and medical devices, and developed processes to produce said products.
- Upon joining P&G, she also earned an MBA from the University of Cincinnati.
- In addition to her current Chemistry Innovation and Technology development responsibilities, LaTisha is active in recruiting efforts for BS to PhD level scientist and engineers at the school team, professional organization and BU levels for the company.
- She co-leads the Cleaning Consortium Mega SIT and is an active member of the Chemistry, Materials and Biofusion CoPs and FORCE (FORmulators Community of Excellence) as well as serve on the organizational steering teams for each.



Dr. Alan Eberhardt  
Professor; Associate Chair of Education

- Dr. Eberhardt received his B.S., University of Delaware, Civil Engineering
- Received his M.S., University of Delaware, Civil Engineering
- Received his Ph.D., Northwestern University, Theoretical and Applied Mechanics
- Professor Eberhardt joined the Department of Biomedical Engineering at UAB in 1999, after working in the Department of Mechanical Engineering at UAB since 1991.
- His current research focuses on orthopedic and injury biomechanics, as well as medical and rehabilitation device design and commercialization.
- He is the director of the [Master of Engineering with a Concentration in Design and Commercialization](#).



Dr. Winston Soboyejo  
Mechanical Engineering, SENIOR VICE PRESIDENT AND PROVOST

- Dr. Winston Soboyejo received his BS Mechanical Engineering King's College, London University 1985
- Received PhD Materials Science and Metallurgy Churchill College, Cambridge University 1988
- Prior to joining WPI, Dr. Soboyejo was a Professor in Mechanical and Aerospace Engineering at Princeton University for approximately 17 years.
- He is a materials scientist whose research focuses on biomaterials and the use of nanoparticles for the detection and treatment of disease, the mechanical properties of materials, and the use of materials science to promote global development.
- His current projects include the use of nanomaterials for targeting and treating cancer; a shear assay technique that may be able to measure the mechanical properties of organelles in the cell; the development of low cost solar cells/light emitting devices; and sustainable approaches to providing clean water, affordable housing and education to people in the developing world.
- Dr. Soboyejo brings to WPI an exceptional record of achievement in engineering research and academic leadership, as well as impressive accomplishments in international development and a noteworthy track record in building global research and educational partnerships. For example, he founded the U.S./Africa Materials Institute at Princeton, one of six international materials institutes supported by the National Science Foundation.
- He has also served as President and Provost of the African University of Science and Technology (AUST) in Abuja, Nigeria, a Pan-African university founded by the Nelson Mandela Institutions (NMI).
- Dr. Soboyejo has also served as the chair of the African Scientific Committee of the NMI.
- He held research positions at the McDonnell Douglas Research Laboratories in St. Louis and the Edison Welding Institute in Columbus, Ohio, as well as faculty positions at The Ohio State University and MIT, before joining the Princeton faculty in 1999.