Personal Bio

Vital Stats

Full Name: [Brijes Mishra]

Affiliation: [Department of Mining Engineering, West Virginia University]

Position: [Associate Professor]

Biography

Dr. Mishra joined West Virginia University as an Assistant Professor in August 2009. He was promoted to Associate Professor with tenure in 2015. He has published in reputed journals in Rock Mechanics, Strata Control and Mining Engineering. His funded research has exceeded more than a million dollar. His area of research has spanned from laboratory testing to pillar stability analysis for deep coalmines. He developed a High Pressure and High Temperature triaxial laboratory for testing rocks at high pressure and temperature. Additionally, a new triaxial creep testing equipment was added to the laboratory for investigating long-term behavior of the rock. With his graduate students he has investigated time-dependent behavior of coal measure rocks using both continuum and discontinuum models.

Before joining WVU, Dr. Mishra was employed as an Assistant Professor in the Department of Mining Engineering at South Dakota School of Mines and Technology. He worked as a project engineer for RES/PEC, a Geotechnical Consulting firm based in Rapid City, South Dakota. He worked on several projects related to salt caverns and mines.

Education

PhD in Mining Engineering – West Virginia University

M.S in Surface Mining – Indian School of Mines University

B.S in Mining Engineering – Nagpur University

Awards and Major Publications

1. Arora, S and Mishra, B (2015), Investigation of the failure mode of shale rocks in biaxial and triaxial compression tests, International Journal of Rock Mechanics and Mining Sciences, Volume 79, October 2015, Pages 109–123.

2. Mishra, B and Verma, P (2015) Uniaxial and triaxial single and multistage creep tests on coal-measure shale rocks, International Journal of Coal Geology, Volume 137, 1 January 2015, Pages 55–65.