

DR. SEIGO NAKAYA

SESSION: SYMPOSIUM 3 (DAY 2: 1210 – 1235)

**TOPIC: SPORTS SHOE DESIGNING BASED ON
BIOMECHANICS & TECHNOLOGY**



Dr. Seigo Nakaya is a manager and principal researcher of the Footwear Function Development Team in Institute of Sport Science (ISS), ASICS Corporation. He leads a team focusing on Biomechanics, Mechanical Engineering, Kansei Engineering. He is responsible for functional concept establishment, structure development, and performance evaluation on footwear.

He has been at ISS for over 15 years and has been involved in the research and development of many advanced products in categories such as running, athletics, basketball, and walking. His work has led to more than 20 patents related to footwear and sporting goods.

He earned his Ph.D. in Physical Education, Health and Sport Science at the University of Tsukuba, Japan. He established a method to quantify the dynamic roles of leg joints and muscles during sport motion based on the equation of motion of the whole body, and applied the method to the performance evaluation of footwear. He is a member of the steering committee of JASM Sports Engineering & Human Dynamics Division, and a member of Footwear Biomechanics Group, Japanese Society of Biomechanics, and so on.