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Jaap van Dieën is professor of biomechanics at the Vrije Universiteit Amsterdam. His research currently focuses on: 1) Balance control: what determines balance control, how we can assess it, and how can we improve it? 2) Control of trunk posture and movement: how is trunk control change affected by disorders, how can it be assessed? He combines experimental and modeling work to unravel the interplay between anatomical, physiological, task-related, and environmental constraints as co-determinants of motor behavior. He aims to contribute to our understanding of the causes and consequences of musculoskeletal and movement disorders, such as stroke, Parkinson's disease, osteoarthritis, and low-back pain. His research group aims to translate laboratory-based methods to methods that can be applied in clinical settings and in real-life. Jaap van Dieën has (co-)authored over 600 papers in international peer-reviewed scientific journals and has successfully supervised over 70 PhD students.