



SPEAKERS/PALESTRANTES

> **DAVID REID**

David is a Research Fellow at the University of Western Australia (UWA). He is a geotechnical engineer with over 15 years' experience in consulting and research practice related to tailings laboratory testing, in situ characterisation, and analysis. His current role is on the ARC Linkage TAILLIQ Static Liquefaction project, where he has led site sampling, laboratory testing, and centrifuge testing works.

> **CYNTHIA PARNOW**

Over twenty-five years of expertise in finding practical solutions to the complex issues surrounding mine water and waste management.

Additional experience includes project management, geochemistry, water quality analyses, implementation of environmental strategies, project permitting and environmental impact assessment (EIA) development, due diligence and environmental compliance evaluations, closure planning and costing evaluations, environmental risk assessment, and biodiversity.

Key areas of specialization include surface/groundwater hydrochemistry, acid rock drainage (ARD) prediction and control, water treatment system design and operation, waste rock and tailings management and mine closure and rehabilitation. Served as project manager and/or senior technical scientist on a wide-variety of projects, with locations in Australia, Argentina, Bolivia, Camaroon, Canada, Chile, Ghana, Indonesia, Mexico, Nicaragua, Peru, Suriname, Vietnam, and the USA.

MEDIATORS/MEDIADORES

> ALOYSIO PORTUGAL MAIA SALIBA

Civil Engineer, Dr. Water Resources, Professor UFMG

Career developed on water resources and geotechnical engineering, including hydrological and hydraulic studies to tailings and water reservoirs, spillways, channels, and water balances. Extensive experience on technical supervision and coordination on reservoir management projects and water balance plans for tailings dams and silting reservoirs, design of water and tailings storage dams to the mining sector, including all their life cycle (conceptual, basic, detailed and decommissioning designs), design of internal drainage systems and follow up of civil works related to surface drainage and dams.

Since 2016, Aloysio is a professor on the Hydraulic Engineering and Water Resources Department of the School of Engineering and also of the Hydraulic Research Center (CPH) on the Federal University of Minas Gerais (UFMG).

> CHRISTINA WINCKLER

Christina Winckler is the technical director of mining and dams with AECOM. Ms. Winckler has 18 years' experience in design and analysis of dams and tailings dams. She has two master's degrees in civil engineering with a focus in geotechnical engineering, one from Chalmers University, Gothenburg, Sweden and the other from the University of Colorado at Boulder, USA.

> FERNANDO SCHNAID

Prof. Schnaid is currently Professor in Geotechnical Engineering at Federal University of Rio Grande do Sul, Brazil. He holds an MSc in Civil Engineering at the Catholic University of Rio de Janeiro, BR (1983) and a PhD at Oxford University, UK (1990). He is the author or co-author of over one hundred peer-reviewed articles and conference papers, as well as 5 books, including the title *In Situ Testing in Geomechanics* published in 2009. Received the Terzaghi Prize by the Brazilian Society of Soil Mechanics in 2009, the 5th Schofield Award for the best published paper in the International Journal of Physical Modelling in Geotechnics in 2005 and the Milton Vargas Award (1st ABMS Lecturer) by the Brazilian Society of Soil Mechanics in 2004.

Key research focus on in-situ testing, geotechnical site characterization, foundation systems, marine geotechnics and prediction of soil and rock properties. Delivered international lectures including the State-of-the-Art Report in Soil Properties at Osaka Conference for the ISSMGE and is the 6th James Mitchell Lecturer to be delivered in 2020 on geo-mechanics and geo-characterization of tailings.

> SANDRO SALVADOR SANDRONI

Civil Engineer (PUC-Rio, 1968), Ph.D. Soil Mechanics (Imperial College, Un. of London, 1977)

Senior Partner of SEA - Sandroni Engenheiros Associados, a geotechnical consulting firm based in Rio de Janeiro

More than 50 years of experience in research, design and consultancy in Geotechnical Engineering.

Participation as geotechnical assistant, expert or consultant in legal procedures including mediations, arbitrations and lawsuits in the civil, environmental, criminal and insurance areas.

Professor of the Pontifical Catholic University of Rio de Janeiro-PUC-Rio (1969-1981), Visiting Lecturer at University of Alberta in Edmonton, Canada (1980), Collaborating Professor at COPPE-UFRJ in Rio de Janeiro (1983-2008) and Research Professor at PUC-Rio (2011-present).

General reporter, lecturer, panel member, moderator and chairman in congresses, conferences and symposia in Brazil and abroad.

Received the Terzaghi and José Machado Awards from ABMS – Brazilian Society of Soil Mechanics). Has been ABMS (Milton Vargas) Lecturer in 2008 and Pacheco Silva Lecturer in 2012.

Has about 70 published technical papers in magazines and conferences in Brazil e abroad. Has oriented some 30 master and doctor theses.