

## NITheCS COLLOQUIUM

# The Mind, Mathematics and Sustainable Development

Prof Zurab Janelidze (Stellenbosch University)

**Venue: In person at the Neelsie Cinema\* and online**

\* 1<sup>st</sup> Floor, The Neelsie Langenhoven Student Centre, Stellenbosch University

**Tuesday, 14 March 2023 | 17h00 – 18h00 SAST**

*This hybrid event celebrates the International Day of Mathematics. Furthermore, it aligns with a topic of the International Year of Basic Sciences for Sustainable Development.*

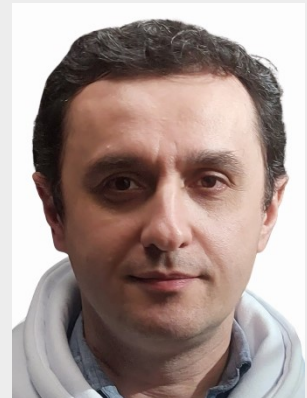


### ABSTRACT

We will first reflect on how mathematics emerges from the ability of the mind to 'zoom in' on the logical structure of the universe, as well as the role that aesthetics plays in this process. The insights brought by such reflection will then be applied in a discussion about challenges in teaching and learning mathematics and the possible benefits that overcoming these challenges could bring to sustainable development.

### BIOGRAPHY

Zurab Janelidze is a professor of mathematics at Stellenbosch University. He is an Associate of NITheCS and a principal investigator in one of the research programmes at NITheCS. He serves on the editorial boards of two international journals in his field of expertise, category theory, and serves as the president of the South African Mathematical Society. He is passionate about discovering and teaching mathematics, as well as looking for mathematical structures in other art forms.



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