

# INVITATION

## CEA Webinar

26 April 2024



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
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Faculty of Education

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The Centre for Evaluation and Assessment cordially invites you to their webinar

**Date:** 26 April 2024

**Time:** 14:00 – 16:00

**Link:** <https://eu.bbcollab.com/guest/681f3f5d3a204a8ca92adb43263551ee>

**Theme:** Instrument Development and Construction

**Presenter 1:** Prof Caroline Long

**Topic:** **Alignment of theory, measurement, instruments, and outcomes.**

**Presenter 2:** Dr Qetello Moloji

**Topic:** **Constructing High Quality Data Collection Instrument for Research: Advantages of using the Rasch Measurement Model**

**RSVP:** Please click [here](#) to RSVP

**Enquiries:** Mr Mishack Tshele ([mishack@up.ac.za](mailto:mishack@up.ac.za); 012 420 5662)

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## Prof Caroline Long

Prof Caroline Long began her career as a mathematics teacher, and then moved into mathematics education research after completing her Masters in Mathematics Education at UCT. Her journey took her to Wits, where she worked on research projects, and taught mathematics to the Intermediate Phase and Foundation Phase teachers. Another move took her to the Centre for Evaluation and Assessment (CEA) where she developed an interest in Rasch measurement theory. Her PhD, "Mathematical, cognitive and didactic elements of the multiplicative conceptual field investigated within a Rasch measurement and assessment framework" was published in a book, *Learning pathways* (Long, 2015). Her work at the CEA involved supervising PhD students, teaching undergraduate and post graduate courses, as well as participating in and contributing to systemic assessments, both international and local. After 10 years at the CEA, Prof Long was appointed to the Department of Childhood Education at the University of Johannesburg as a full professor. Here her focus embraced mathematics education, assessment, both with a particular focus on teacher agency.

## Dr Qetello Moloi

Dr Moloi is a research fellow attached to the Early Childhood Development Department of the University of Johannesburg. His knowledge and skills in large-scale assessments and evaluations were learned in different institutions that include the Leeds University (UK), the French-housed IIEP in and the Tshwane University of Technology (TUT) where he completed a doctoral degree focused on studying various methods and approaches to effective utilization of assessment results for informing decision-making in education. In his doctoral research Dr Moloi demonstrated the prowess of the Rasch Measurement Model in helping develop valid and reliable research instruments. His work includes diverse applications of the Rasch Measurement Model in standard setting.

Dr Moloi led several initiatives that helped him deploy his acquired skills in practical applications. He has served as the South African NRC in the SACMEQ studies where he authored and co-authored high-quality reports and policy briefs that informed debates about quality assessments in South Africa. Dr Moloi served as the national director providing oversight on South Africa's participation in international studies such as the TIMSS and the PIRLS. He has sharpened his research acumen in numerous monitoring and evaluation (M&E) studies conducted under the auspices of TUT Learning Niche Area and later at Kelello Consulting.

He has published widely in peer-reviewed journals together with co-authoring chapters in books that have been published globally.

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