

# Purpose Driven Engineering



## CLIMATE RESILIENCE WITH IMPACT

Please join Research Associate Dr. Denis Muthike as he presents on his climate resilience research as it relates to drought resilience in the Horn of Africa, carbon credits for water services, footbridge impact evaluation and agriculture results.



Mortenson Center  
in Global Engineering & Resilience  
UNIVERSITY OF COLORADO BOULDER

### *LEADERSHIP*

Solving core development challenges that are root causes of poverty.



### *RESEARCH*

Leading research to drive tangible global impact.



### *EVIDENCE*

Engineering solutions to rectify global inequalities.



**Dr. Denis Muthike's** research interests are in a wide range of environmental questions, predominantly focused on communities living in agricultural and rangeland environments. He leads Mortenson Center's climate resilience projects in East Africa whose goal is to enhance food and water security for rural communities using remote sensing, in-situ sensors, geospatial analytics, data science and stakeholder engagement approaches. Prior to his current role, he was on the NASA SERVIR hub team for over a decade, providing leadership on weather and climate resilience research in the eastern and southern Africa region. He has trained over 500 professionals in diverse climate topics and mentored more than a dozen young climate scientists starting their careers in the field.

October 17, 7:00pm  
Building 003  
Room 114

[COLORADO.EDU/CENTER/MORTENSON](https://colorado.edu/center/mortenson)

**University of Colorado Boulder**

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