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ADDIS ABABA INSTITUTE OF TECHNOLOGY
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ADDIS ABABA UNIVERSITY
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WORLD BANK GROUP



IUCEA



ARCE

African Railway Center of Excellence (ARCE)

Addis Ababa University, AAiT Ethiopia

Abrham Gebre (PhD)

Deputy Director of ARCE

October 16, 2018

Vision

**TO BE THE LEADING RAILWAY
CENTER IN AFRICA AND CENTER OF
EXCELLENCE IN RESEARCH,
EDUCATION AND TRAINING**

Research Areas

1. Developing Optimum Inspection, Maintenance and Renovation of Railway Infrastructure

- Signaling and communication systems, Power supply, Rolling Stock components,

2. Quality assurance and evaluating the performance of Railway Infrastructure

- Hydrology and hydraulic, Railway Crossing facilities, and others
- Wheel – Rail Interaction
- Track structure,
- Bridges and Tunnels

3. Capacity analysis of Railway System

- Integration of Railway Systems
- Operations, management

- ARCE has 5 national, 4 regional and 5 international partners
- ERC (Ethiopian Railways Corporation) one of the major partner from the railway industry
- International partners:-
 - Southwest Jiaotong University, China (MoU and Partnership Agreement)
 - Central South University, China (MoU)
 - Norwegian University of Science and Technology (NTNU)
 - Korean Railway Research Institute (KRRRI), Korea
 - Korean Institute of Machinery and Materials (KIMM), Korea

Interested collaboration areas

- Staff and Student Exchange
- Academic and Policy Research and Publication
 - Joint PhD supervision
 - Joint research
 - Research publications
 - Commercialization research outputs
- Institutional Capacity Building
 - Staff capacity building
 - Curriculum development and revision
 - Equipping research labs

Welcoming ceremony for National and Regional Students

