

**REPUBLIQUE DU SENEGAL**

Un Peuple – Un But – Une Foi



**MINISTRE DE L'ENSEIGNEMENT SUPERIEUR  
DE LA RECHERCHE ET DE L'INNOVATION**



Centre d'Excellence Africain en Mathématiques,  
Informatique et TIC



CEA-MITIC

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## **CENTRE D'EXCELLENCE AFRICAIN EN MATHEMATIQUES, INFORMATIQUE & TIC**



Pr Ousmane Thiaré- Rector / Center Leader  
Japan: October, 19-27 2018



Association of African Universities  
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رابطة الجامعات الأفريقية

[www.ceamitic.sn](http://www.ceamitic.sn)

# Vision of the center

- Become one of the top 3 STEM Centers in Africa by 2025
- Enroll 800 graduates students by 2022
- Strengthen Industry linkages and develop technology transfer programs
- Launch Master programs in Biomathematics, Embedded Systems, Cryptology, Artificial Intelligence-Big data-IoT, Nanotechnology
- Strengthen MITIC consortium capacity to address the development challenges in our region
- Contribute to the PASET goal: Supporting the next generation of African scientists

# Research areas

- Biomathematics-BioInformatics
- Mathematics and modeling
- Materials- Components-Systems
- Information systems and knowledge

# Innovation

- Research commercialization still nascent in Senegal
- Transfer technology training program for 30 MITIC researchers currently executed in partnership with Interinnov.
- 9 research projects funded.
  - a healthcare application was developed and transferred to the regional hospital of Saint Louis
  - Development of a National healthcare management application under way
- Solar vehicle developed by Consortium Engineering students
- 3D printing training conducted at UGB Fablab. Four 3D printers available at UGB

# Interested Collaboration areas

- Exchange of Faculty / Student (Research stays, Co-supervision of Phd and Master students)
- Benchmarking with Japanese institutions on research commercialization best practices

Thank You !!!

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