



Brainstorming Session: Making the Challenges Pertinent to Brazil

Significant Challenge to Improve Technology Adoption in Engineering Courses

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Grand Challenges Scholars Program Workshop: August 5-7, 2019 – Belo Horizonte, MG



How can engineering contribute to improving the quality of life of society?



**The “system’s” goal is people's happiness,
it's quality of life!**



**Revolution of
the media**

**Economy
Globalization**



**Environmental
sustainability**



ENGINEER

**Appreciation of
the individual**



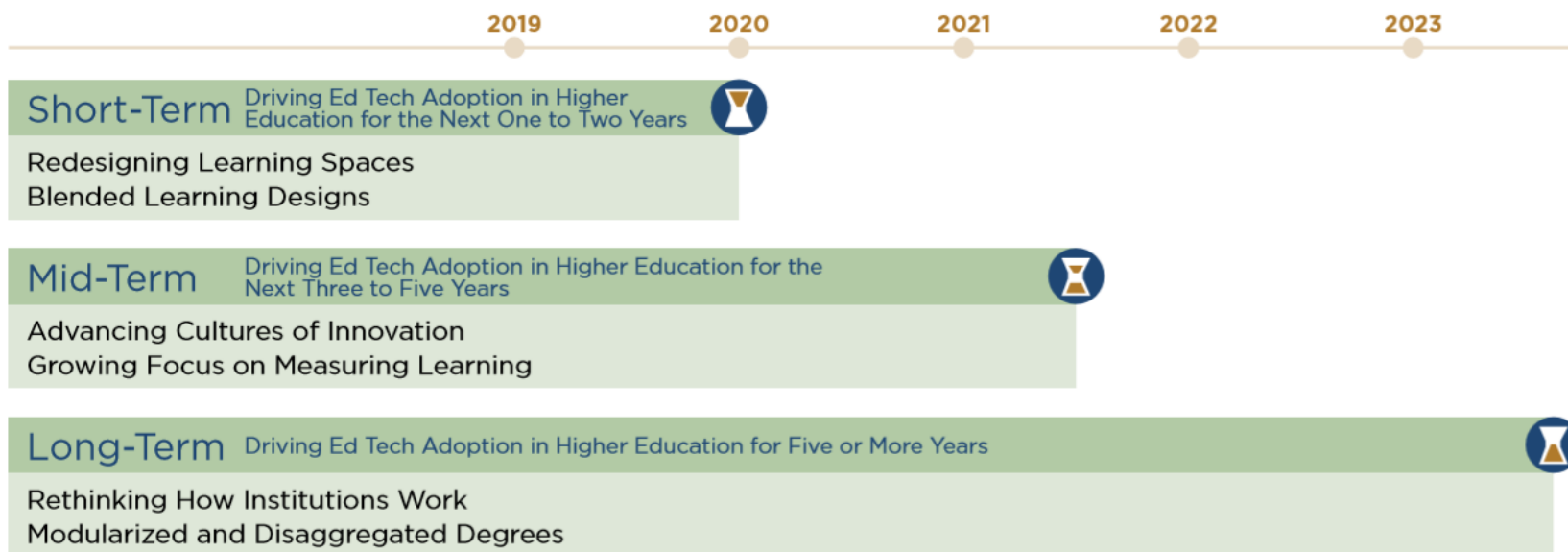


Brazil's main challenge for engineering



EDUCAUSE Horizon Report 2019 Higher Education Edition at a Glance

Key Trends Accelerating Higher Education Technology Adoption



<https://library.educause.edu/resources/2019/4/2019-horizon-report>

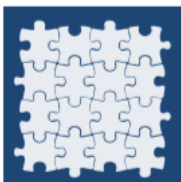
EDUCAUSE Horizon Report 2019 Higher Education Edition at a Glance

Significant Challenges Impeding Higher Education Technology Adoption



Solvable Those That We Understand and Know How to Solve

Improving Digital Fluency
Increasing Demand for Digital Learning Experience and Instructional Design Expertise



Difficult Those That We Understand but for Which Solutions Are Elusive

The Evolving Roles of Faculty with Ed Tech Strategies
Achievement Gap



Wicked Those That Are Complex to Even Define, Much Less Address

Advancing Digital Equity
Rethinking the Practice of Teaching

<https://library.educause.edu/resources/2019/4/2019-horizon-report>



Brazil's main challenge for engineering



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**SCIENTIFIC
KNOWLEDGE**



PURPOSE



PROFESSOR

“Example is not the best way to exert a positive and lasting influence on another human being, it is the only one.”

Anton Makarenko

**EMOTIONAL
BALANCE**



**PEOPLE
SKILLS**



Successful examples, and strategies for the current implementation context

CONTINUOUS IMPROVEMENT PROCESS “GESTÃO POLI”



1º Fórum Pedagógico da Escola Politécnica – Seminário de Abertura		
25/02/2019 (segunda-feira) – Manhã (Auditório Leopoldo Amaral):		
08:30	Abertura	
09:00	Novas Diretrizes Curriculares Nacionais para Engenharia	Prof. Vanderli Fava de Oliveira - Presidente da Associação Brasileira de Educação em Engenharia - ABENGE
09:45	Debates	
10:00	Intervalo	
10:15	Novas metodologias de ensino: metodologias ativas	Profa. Cristina D'Ávila - Profa. Titular da Faculdade de Educação da Universidade Federal da Bahia
11:00	Relações interpessoais docente e discente: mediação de conflitos	Profa. Denise Vieira - Pró-Reitora de Desenvolvimento de Pessoas e ex-Ouvidora da UFBA
11:45	Debates	
12:00	Encerramento	





UFBA
ESCOLA POLITÉCNICA

**What
about
the
future?**

Contatos:

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Thank you!



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