

BRICS Network University

BRICS

**International Thematic Group
«Energy»**



Activities in 2016/17

BRICS NU 1st Conference

April 7-8, 2016, Yekaterinburg, Russia



General topics for cooperation in the field of Energy

MOU - coordinator university

Energy group action plan 2016-2017

BRICS NU 1st Conference

April 7-8, 2016, Yekaterinburg, Russia

Energy group action plan 2016–2017

- ▶ Reference book “Higher Education Systems in BRICS countries” → May 1, 2016
- ▶ Internet platform for information exchange among partner universities of ITG Energy → June 1, 2016
- ▶ University information at this Internet platform → August 1, 2016
- ▶ List of educational modules for academic exchange and full-time Master and PhD programs in the field of Energy → September 1, 2016
- ▶ Request for a number of scholarships to support agreed exchange programs in 2017 → October 1, 2016

BRICS NU 1st Conference

April 7-8, 2016, Yekaterinburg, Russia

Energy group action plan 2016–2017

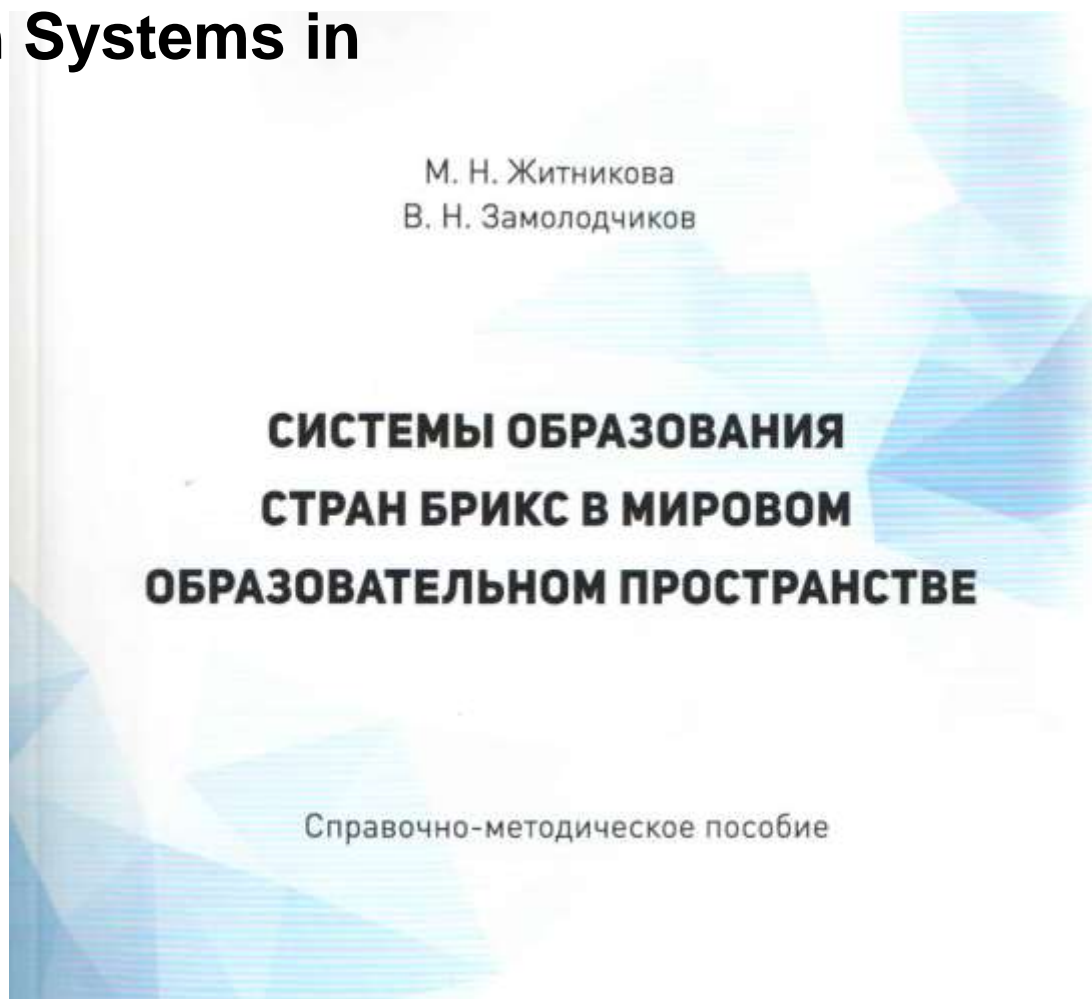
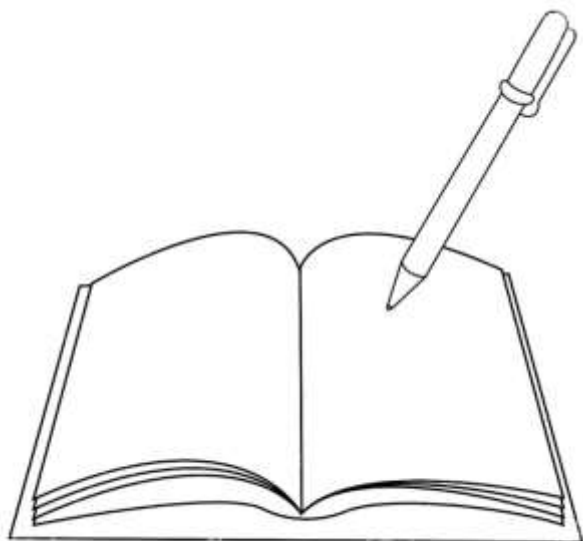
- ▶ Create project teams in some fields for multi-partner cooperation → June 1, 2016
- ▶ Coordination webinar of ITG Energy including project teams report → 4 times a year (first in June 2016)
- ▶ International young researcher conference “Energy saving: theory and practice” → October 2016 (MPEI, Moscow, Russia)
- ▶ Annual International scientific conference No 29 → November 2016 (MIPT, Moscow, Russia)
- ▶ International student’s conference “Radio Electronics, Electrical and Power Engineering” → February 2017 (MPEI, Moscow, Russia)
- ▶ A Movable Summer School (organized by ITG universities one-by-one)

→ **ITG Energy Roadmap (July 2016)**

ITG Energy activities in 2016/17

✓ May 2016: Reference book

«**Higher Education Systems in BRICS countries**»



ITG Energy activities in 2016/17



June-August 2016: development and implementation of Internet platform for ITG Energy ITGenergy.mpei.ru

International Thematic Group "Energy"  **MPEI** NATIONAL RESEARCH UNIVERSITY

ITG PARTICIPANTS EVENTS



On April 7-8, 2016, in Ekaterinburg (Russia) the 1st Conference of NU BRICS Universities-participants took place. Within the Conference 6 thematic groups of universities on 6 priority directions for new network university were formed. In the thematic group "Energy" Universities of Brazil, Russia, India, China and South Africa have entered. On the 1st stage of new network university creation National Research University "Moscow Power Engineering Institute" became a coordinator on "Energy" direction.



Photo gallery



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ITG-energy / Contacts /

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- [Brazil](#)
- [China](#)
- [India](#)
- [Russia](#)
- [South Africa](#)

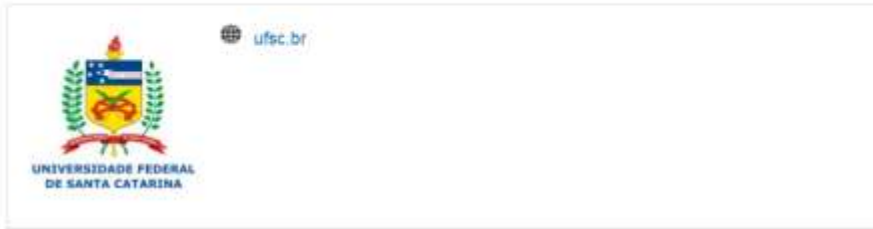
ITG Energy activities in 2016/17



June-August 2016: development and implementation of Internet platform for ITG Energy ITGenergy.mpei.ru

Brazil /

Federal University of Santa Catarina - UFSC



The Federal University of Santa Catarina (Portuguese: Universidade Federal de Santa Catarina, UFSC) is a public university in Florianópolis, the capital city of Santa Catarina in southern Brazil. Ranked as the 4th best overall university in Latin America by the Webometrics Ranking of World Universities, being the third largest university in Brazil, noted for its engineering school, and the only Federal University in the state, it is internationally known for the quality of its courses in mechanical engineering, engineering, electrical engineering and dentistry.

The organization of its campus is done in the 11 Centers of Education (Centers of Education). Every Center of Education is divided in departments, the largest one being the Center of Engineering. The oldest is the Center of Juridic Sciences, that is itself the department of UFSC's departments to be officially recognized in 1932.

Federal University of Santa Catarina - UFSC

Faculties

Students admission – terms and conditions

Summer Schools

Courses

Conditions for participation in BRICS NU "Energy"

Proposals

Federal University of Viçosa - UFV

ITG-energy / Events /

Video conference of ITG Energy



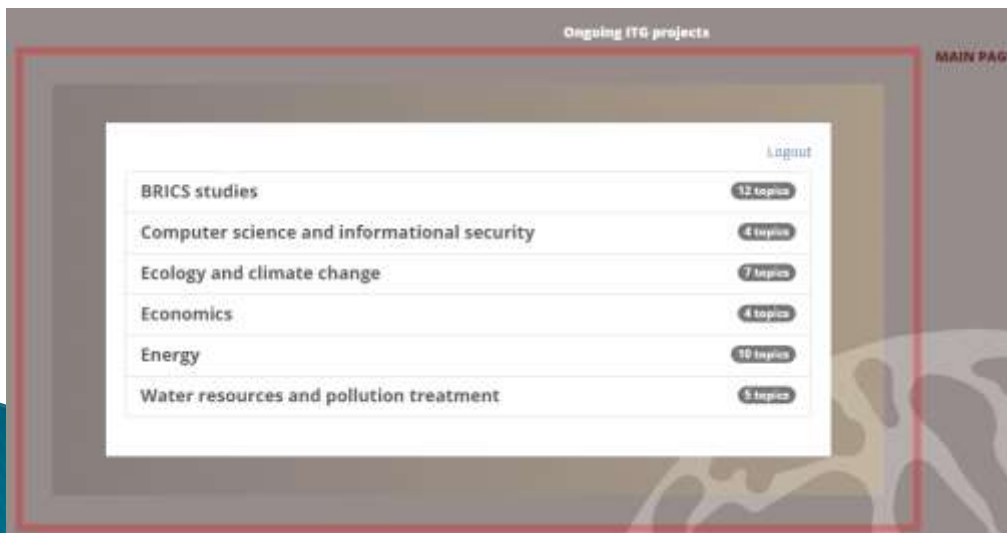
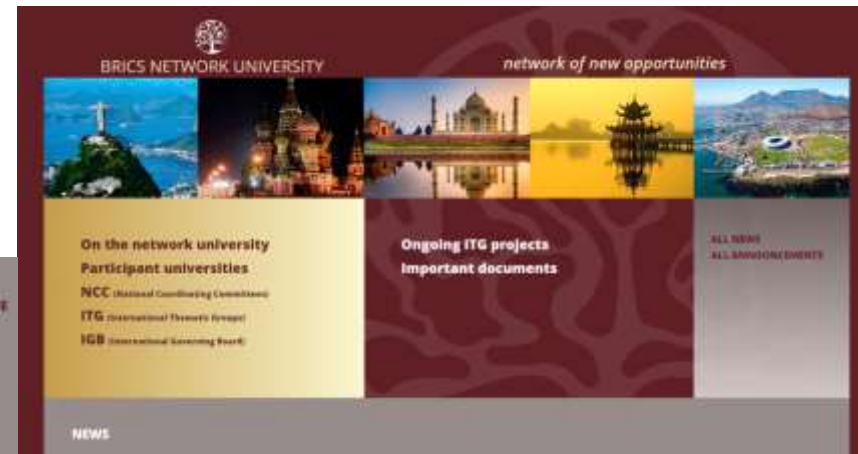
Video conference of ITG Energy (September 14, 2016)

I BRICS NU «Energy» Conference (6-9 of April, 2016, Ekaterinburg)

Competition of fundamental scientific research 2017

ITG Energy activities in 2016/17

- ▶ August-September 2016:
 - Information about ITG Statute development and coordination (still not signed)
 - Limited number of member universities from each country in each ITG
 - Official portal nu-brics.ru
 - Discussions on projects



ITG Energy activities in 2016/17

- ▶ Call for applications on fundamental scientific research 2017 hold by the Russian Foundation for Fundamental Research and organizations - participants of the BRICS Framework program in the area of science, technologies and innovations

- ▶ Project 1:



- ▶ Project 2:



ITG Energy activities in 2016/17

September 14, 2016: Video-conference of ITG Energy

- **12** partner universities from 5 countries
- Discussion/correction of Roadmap
- Information about further activities
- Invitation to fill the Internet platform
- Information about Master programs development



ITG Energy activities in 2016/17



On-line translation of MPEI international activities to partner universities

- Academic colloquium “Rodney Allam Cycle and pilot power plant based on it” (Nobel prize winner, “Global Energy” prize winner)
- Video-conference of Prof. Claus Riedle (“Global Energy” prize winner)
- Lecture of President of Siemens-Russia company Dietrich Möller
- NESEFF conference
- SPITSE conference



ITG Energy activities in 2016/17

VIII International young research conference
“Energy saving: theory and practice”

October 10-14, 2016 (based on MPEI)



ITG Energy activities in 2016/17

XXIII International student's conference
“Radio Electronics, Electrical and Power Engineering”
March 02-03, 2017 (based on MPEI)



ITG Energy activities in 2016/17

- ▶ **May 2017** – delegation of Federal University of Viçosa – UFV (Brazil) to MPEI: discussions on joint educational program “Sustainable Energy”, draft agreement on cooperation
- ▶ **July 2017** – delegation of Hohai University (China) to MPEI: discussions on further cooperation, draft agreement



Problems and suggestions

- ▶ No support from government bodies to academic mobility programs within BRUCS Network University
 - Ask IGB to develop registry of actual instruments supporting academic mobility (both students and staff) of BRICS NU partner universities
 - Ask IGB to bring this registry to the notice of all BRICS NU universities and publish it on official portal nu-brics.ru





Thank you!

