




2020 ASRTU Online School English Open Class Schedule

The Sino-Russia permanent secretariats of Association of Sino-Russian Technical Universities (ASRTU) agree that **2020 ASRTU Online School** shall launch open courses on energy and architecture from **Nov 2 to 6**, as an initiative of 2020-2021 China Russia Science and Technology Innovation Year. Such initiative is aimed to facilitate cooperation in humanities and education and sharing of education resources between the two parties by taking full advantage of internet technology in the context of normalized epidemic prevention and control of COVID-19. We sincerely welcome faculty and students of ASRTU to participate in the event!

● Speakers

ENERGY			
Teacher	Title	Institute	Photo
Zhao Yang	Professor	Zhejiang University	
Putilova Irina	Associate Professor	National Research University "Moscow Power Engineering Institute"	
Bronin Dimitry	Professor	Ural Federal University	





Hu Song	Professor	Huazhong University of Science and Technology	
Wang Zuankai	Professor	City University of Hong Kong	
Kirsanov Mikhail	Professor	National Research University “Moscow Power Engineering Institute”	
Shurkalov Peter	Associate Professor	National Research University “Moscow Power Engineering Institute”	
Wang Ruzhu	Professor	Shanghai Jiao Tong University	
Wu Jian	Professor	Harbin Institute of Technology	
Vanin Artem	Associate Professor	National Research University “Moscow Power Engineering Institute”	



ARCHITECTURE

Teacher	Title	Institute	Photo
Vladimir Gagarin	Professor	National Research Moscow State University of Civil Engineering, Research Institute of Building Physics of the Russian Academy of Architecture and Building Sciences	
Igor Shubin	Professor	National Research Moscow State University of Civil Engineering, Research Institute of Building Physics of the Russian Academy of Architecture and Building Sciences	
Kirill Lushin	Associate Professor	National Research Moscow State University of Civil Engineering	
Sun Yimin	Professor	South China University of Technology	
Wang Lan	Professor	Tongji University	
Herman van Bergeijk	Professor	Delft University of Technology Harbin Institute of Technology	
Chiu Hsin-Hsien	Professor	Harbin Institute of Technology	
Shen Chao	Associate Professor	Harbin Institute of Technology	



Aleksey Chertilov	Associate Professor	Irkutsk National Research Technical University	
Alexander Prokudin	Associate Professor	Irkutsk National Research Technical University	

● Organizer

Association of Sino-Russian Technical Universities

● Joint organizers

Harbin Institute of Technology

Bauman Moscow State Technical University

● Sponsors

City University of Hong Kong

Huazhong University of Science and Technology

Irkutsk National Research Technical University

National Research Moscow State University of Civil Engineering

National Research University “Moscow Power Engineering Institute”

Research Institute of Building Physics of the Russian Academy of

Architecture and Building Sciences

Shanghai Jiao Tong University

South China University of Technology

Tongji University

Ural Federal University

Zhejiang University



● **Mode of teaching**

The ASRTU Online School adopts Zoom video conference software for online teaching and interaction. Faculty and students from ASRTU, after registration, shall receive conference room account number and password from the Organizer, with which they are able to log on courses and participate in class activities.

● **Participants**

➤ **Energy**

ASRTU undergraduates, postgraduates and doctoral students from the disciplines of Power Engineering and Engineering Thermo-physics

➤ **Architecture**

ASRTU undergraduates, postgraduates and doctoral students from the disciplines of architecture, urban and rural planning, landscape architecture, design, building thermal engineering

● **Certificate**

Students who complete all the required courses shall receive the certificate of completion issued by the Sino-Russia Permanent Secretariats of the ASRTU.

● **Event registration**

Participants from ASRTU member universities and observer institutions need to complete online registration at the following website before **Oct 30, 2020**

For courses on **energy**: <http://asrtu.form.11b.lgkj.com/form/index/1>

For courses on **architecture**: <http://asrtu.form.11b.lgkj.com/form/index/2>

We look forward to your participation!

The lecture schedule is as follows:



Date	Time	Activity Content	
		Energy	Architecture
Nov 2	Beijing time: 18:30-19:00 Moscow time: 13:30-14:00	Opening Ceremony of 2020 ASRTU Online School	
		Keynote Speech 1 Theme: Innovations at interfaces for water and energy nexus Speaker: Wang Zuankai	Keynote Speech 1 Theme: Rethinking on Engineering philosophy of Planning and building Speaker: Sun Yimin
Nov 2	Beijing time: 19:00-22:00 Moscow time: 14:00-17:00	Keynote Speech 2 Theme: Up-to-date best available and prospective environmental technologies for gas, coal and oil-fired thermal power plants. Information support of environmental activities of energy companies Speaker: Putilova Irina	Keynote Speech 2 Theme: ROUND-BAIKAL RAILWAY - handmade necklace of the 'Sacred sea'. Brief history of creation Cultural phenomenon Speaker: Aleksey Chertilov
	Beijing time: 19:00-22:00 Moscow time: 14:00-17:00	Keynote Speech 3 Theme: Electricity generation and storage. Benefits of fuel cells Speaker: Bronin Dimitry	Keynote Speech 3 Theme: Architecture and Design in Digital Era Speaker: Chiu Hsin-Hsien



Nov 3	Beijing time: 19:00-22:00 Moscow time: 14:00-17:00	Keynote Speech 4 Theme: Biomass energy, why and how should we use it Speaker: Hu Song	Keynote Speech 4 Theme: Architecture of Noise barriers Speaker: Igor Shubin
Nov 4	Beijing time: 19:00-22:00 Moscow time: 14:00-17:00	Keynote Speech 5 Theme: Data Analysis Approaches Towards Smart Building Energy Systems Speaker: Zhao Yang	Keynote Speech 5 Theme: Planning and Developing Healthy Cities Speaker: Wang Lan
		Keynote Speech 6 Theme: Analytical methods for calculating the strength and deformability of power line supports Speaker: Kirsanov Mikhail	Keynote Speech 6 Theme: Thermal performance of building envelope in cold climate of Russia. Development of standardization Speaker: Vladimir Gagarin
Nov 5	Beijing time: 19:00-22:00 Moscow time: 14:00-17:00	Keynote Speech 7 Theme: Smart grids with renewable energy sources Speaker: Shurkalov Peter	Keynote Speech 7 Theme: Research on The Application of Spectrum Regulation Technology of Solar Energy in Near Zero Energy Buildings Speaker: Shen Chao
		Keynote Speech 8 Theme: Renewable Energy Outlook in China Speaker: Wang Ruzhu	Keynote Speech 8 Theme: Smart heating for severe climate Speaker: Kirill Lushin



Nov 6	Beijing time: 19:00-22:00	Keynote Speech 9 Theme: Innovative applications of electrohydrodynamics Speaker: Wu Jian	Keynote Speech 9 Theme: Historical and cultural legacy of the Irkutsk city. Buildings by V.A. Rassushin - architecture of Irkutsk and Harbin Speaker: Alexander Prokudin
	Moscow time: 14:00-17:00	Keynote Speech 10 Theme: Balance of power system with high share of renewable bower sources Speaker: Vanin Artem	Keynote Speech 10 Theme: The Battle for Modernism between De Still and Bauhaus Speaker: Herman van Bergeijk

● Contact information

➤ ASRTU Permanent Secretariat (China):

Zhang Wei

Office Tel: +86-451-86416807

Email: cloud_asrtu2020@163.com

➤ ASRTU Permanent Secretariat (Russia):

V. B. Timofeev

Office Tel: +7-499-263-6212

Email: timofeev@bmstu.ru



ASRTU Permanent Secretariat (China)

ASRTU Permanent Secretariat (Russia)

October 28, 2020