ARTpolis YOUNG ARCHITECTS INTERNATIONAL SCHOOL KAZAN 2018

Grant Support:

Росмолодежь



Technical Partner:







INTERDISCIPLINARY STUDY: INTEGRATED DESIGN for SUSTAINABLE FUTURE

November 5-19, 2018

Organizer:



(KSUAE) Kazan State University of Architecture and Engineering

Partners:



University of East London



(UINIFI) University of Florence



(DUTH) Democritus University of Thrace





YOUNG ARCHITECTS ART POLIS KAZAN 2018

within collaborative project of (KSUAE) Kazan State University of Architecture and Engineering & (UEL) University of East London

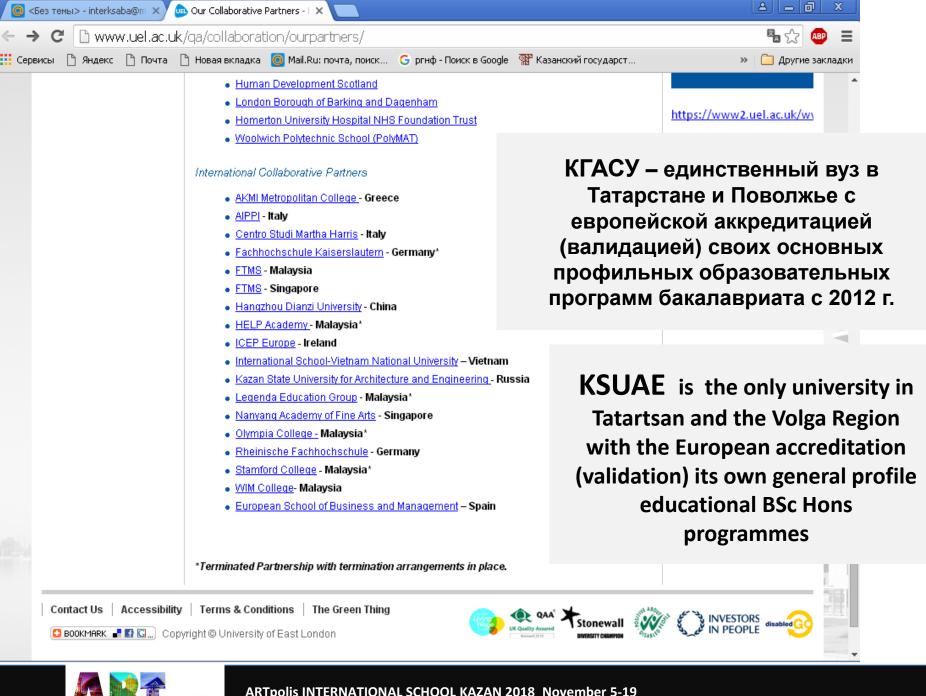


(KSUAE)
Kazan State University
of Architecture and
Engineering



(UEL) University of East London, UK www.uel.ac.uk





Валидированные программы Validated programmes

- «Архитектура» | Architecture
- «Гражданское строительство»
- -Civil Engineering

«Производственный менеджмент»

Construction and Industrial Management





Особенности программы: General characteristics:

внедрение стандартов европейской системы качества образования в реальный учебный процесс нашего вуза

формирование у выпускника компетенций в области европейских стандартов в архитектуре и строительстве

вполне доступная стоимость программы бакалавриата для широкого круга студентов

британский диплом УВЛ – это **международный эквивалент диплома КГАСУ**, который исключает необходимость процедуры признания зарубежным работодателем российского документа о высшем профессиональном образовании



Студенты КГАСУ имеют возможность получить одновременно 2 диплома бакалавра - российского и британского образцов, что многократно увеличивает шансы выпускника найти престижную работу

KSUAE's students have an opportunity to obtain 2 diplomas (certificates) of Bachelor of Science - Russian and **British certificates**



University of East London

It is hereby certified that

Anna Andronova

having duly satistied all prescribed conditions was

18 September 2015

duly admitted to the degree of

Bachelor of Science with First Class Honours

having followed an approved Honours programme in

Architectural Science

This certificate should be read in conjunction with the University Diploma Supplement giving further details of the programme of study

Claim of Bourd of Governors





Introduction

Programme Overview	The International School for Young Architects, ARTpolis offers intensive 15-day programme in architectural theory and practical application of the SMART-city technology, BIM-technology, parametric design to create an interactive space for sustainable future for college and high school students who are interested in exploring architecture for future. Our challenging program provides methodological training, lectures, master classes, workshops and guided tours of architectural monuments in Kazan. Our students acquire (1) understanding of the conceptual and BIM methods, (2) application of these methods during pre-design and design stages, (3) experience in integrated design projects and (4) experience & presentation of their group project.					
Location	(KSUAE) Kazan State University of Architecture and Engineering	Zelenaya 1 – 420043 Kazan, Russia				
Dates	5-19 November, 2018					
Programme Leader	Dr. Karina Nabiullina, Dean, Institute of Architecture & Design KSUAE Dr. Olga Poroshenko, Head for International Relations KSUAE					
Coordinators	Arch. Elza Bashirova, Programme Leader of Architectural Science, Double degree programme KSUAE - University of East London (UK) e-mail: bashirova.arch@gmail.com; Arch. Sophia Agisheva, Programme Leader of Building Design, Double degree programme KSUAE – University of East London (UK) e-mail: agisheva@mail.ru					
Lectors	Dr. Peter Lakin, (UEL) University of East London, UK Dr. Renee Tobe, (UEL) University of East London, UK Prof. Stefano Bertocci, (UNIFI) University of Florence, IT Dr. Michelangelo Pivetta, (UNIFI) University of Florence, IT Prof. Alkiviadis Prepis, (DUTH) Democritus University of Thrace, GR Dr. Alkistis Prepi, National Technical University of Athens, GR	Prof. Peter Orekhovsky, Russian Acade of Science, RU Prof. Vicente Guallart, (HSE) High Schof Economics, RU / (IAAC) Institute for Advanced Architecture of Catalonia, ES				
Tutors from KSUAE	Elza Bashirova, Department of Theory and Practice in Architecture Sophia Agisheva, Department of Theory and Practice in Architectural Albina Khayrullina, Dep.of Reconstruction, Restoration of Architectural Irina Nasyrova, Dep.of Reconstruction, Restoration of Architectural Herita Irina Karpova, Dep.of Reconstruction, Restoration of Architectural Herita Merine Grigoryan, Department of Theory and Practice in Architecture, Anna Rikhert, Department of Theory and Practice in Architecture,	ire, KSUAE Heritage & the Foundations of Architecture, KSI itage & the Foundations of Architecture, KSUAE age & the Foundations of Architecture, KSUAE ture, KSUAE				



Introduction

General Objectives	 Introduction to innovative environmental, energy-efficient and digital technologies (BIM, SMART) in the field of architecture and urban design, and their application possibilities; Mastery of the hand drawing and modeling skills in pre-design and design phases; Understanding of modern challenges in the field of architecture and urban design: interactivity, humanity, environmental friendliness and so on; Understanding the impact of pre-project research to the final result, enabling the ability to formulate practical tasks and solve them by architectural means; Application of the team discussion and project thinking to the design process; 				
Target group	Mixed Undergraduate students in Architecture, Urban Design, Landscape Architecture, Building Design and High-school students interested in Architecture				
Organizer	(KSUAE) Kazan State University of Architecture and Engineering, Russia www. kgasu.ru				
Partners	(UEL) University of East London, UK www.uel.ac.uk (DUTH) Democritus University of Thrace, Greece www.duth.gr				
	(UNIFI) University of Florence, Italy www.unifi.it (TSSRA) "Tatar Special Scientific and Restorative Administration", Russia www.tsnru.ru				
Grant Support	Росмолодежь Ресурсный Молодежный Центр				
Language / Credits / Duration	English / Full-time, 15 days / 6 ECTS				
Support & Promotion	Zarina Muksinova, pr-manager, translator, International Department, KSUAE e-mail: interksaba@mail.ru				



ARTpolis YOUNG ARCHITECTS INTERNATIONAL SCHOOL Interdisciplinary study: integrated design for sustainable future

PROGRAMME STRUCTURE & TIMETABLE (part 1)

	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
N	5 November	6 November	7 November	8 November	9 November	10 November	11 November
10:00-11:00							
11:00-11:20	INTRODUCTION Opening Ceremony	LECTURE SESSION 1 (Dr. Peter Lakin) BFFT space	LECTURE SESSION 1 (Dr. Renee Tobe) BFFT space	LECTURE SESSION 1 (Dr. Peter Lakin) BFFT space	CONFERENCE "Smartpolis"		
11:20-11:30	/ Official meetings,	break	break	break	Siliai (polis		
11:30-13:00	/ Meetings with Staff involved in the Programme BFFT space	LECTURE SESSION 2 (Dr. Renee Tobe) BFFT space	LECTURE SESSION 3 (Prof. Vicente Guallart) BFFT space	LECTURE SESSION 1 (Dr. Peter Lakin) BFFT space	All students to participate Актовый зал 2корпус, 4 эт.	TOUR	
13:00-14:00	lunch	lunch	lunch	lunch	lunch	Kazan city	DAY OFF
14:00-15:20	Intro Lecture / Groups' forming / Meeting with tutors	MASTER CLASS 01 (Arch. Egor Orlov) Part 1 BFFT space	MASTER CLASS 02 (Dr. Nikolay Ryabov) Glass room 3-416	LECTURE SESSION 4 (Prof. Peter Orekhovsky) BFFT space	MASTER CLASS 03 (Dr. Anna Akatyeva) BFFT space		
15:20-15:30			break	break			
15:30-17:00	WORKSHOP Task & Site visit	WORKSHOP Work in groups BFFT space	MASTER CLASS 01 (Arch. Egor Orlov) Part 2 BFFT space	MASTER CLASS 01 (Arch. Egor Orlov) Part 3 BFFT space	WORKSHOP Work in groups BFFT space		
17:00-18:00		Free time	Free time	Free time	Free time	Free time	

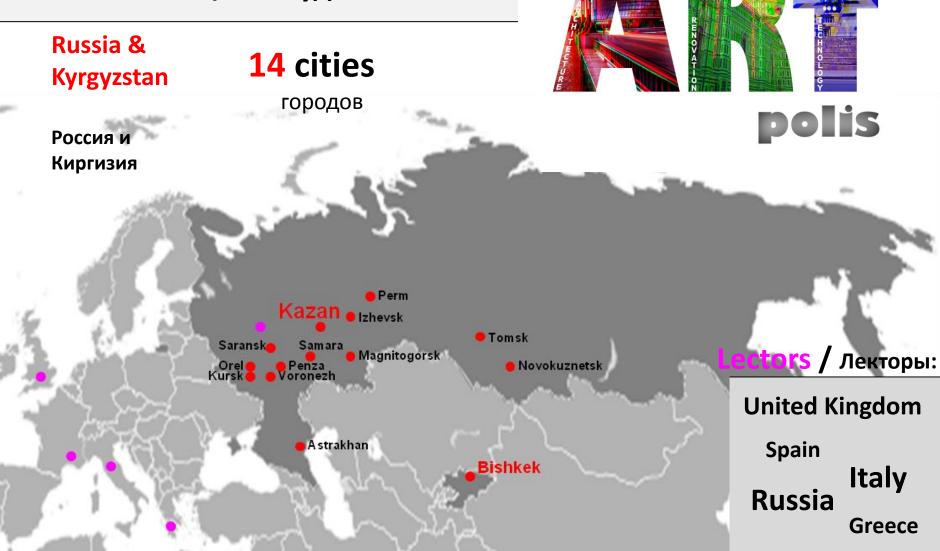


ARTpolis YOUNG ARCHITECTS INTERNATIONAL SCHOOL Interdisciplinary study: integrated design for sustainable future

PROGRAMME STRUCTURE & TIMETABLE (part 2)

N	Day 8 12 November	Day 9 13 November	Day 10 14 November	Day 11 15 November	Day 12 16 November	Day 13 17 November	Day 14 18 November	Day 15 19 November
10:00-11:20	LECTURE SESSION 5 (Prof. Stefano Bertocci) BFFT space	LECTURE SESSION 5 (Prof. Stefano Bertocci) BFFT space	LECTURE SESSION 7 (Dr. Michelangelo Pivetta) BFFT space	LECTURE SESSION 7 (Dr. Michelangelo Pivetta) BFFT space	FINAL REVIEW	17 NOVEMBER	TONOVERIDE	AWARDS CEREMONY Official closing
11:20-11:30	break	break	break	break	Presentation			Official closing
11:30-13:00	LECTURE SESSION 6 (Prof. Alkiviadis Prepis) BFFT space	LECTURE SESSION 6 (Prof. Alkiviadis Prepis) BFFT space	LECTURE SESSION 6 (Prof. Alkiviadis Prepis) BFFT space	LECTURE SESSION 6 (Prof. Alkiviadis Prepis) BFFT space	BFFT space	TOUR Kazan city	DAY OFF	BFFT space
13:00-14:00	lunch	lunch	lunch	lunch	lunch			lunch
14:00-15:20	WORKSHOP Work in groups BFFT space / Glass room	LECTURE SESSION 7 (Dr. Michelangelo Pivetta) BFFT space	LECTURE SESSION 8 (Dr. Alkistis Prepis) BFFT space	LECTURE SESSION 8 (Dr. Alkistis Prepis) BFFT space	FINAL REVIEW Presentation			Departure of external
15:20-15:30	3-416	break	break	break	BFFT space			students
15:30-18:00		WORKSHOP Work in groups BFFT space	WORKSHOP Work in groups BFFT space	WORKSHOP Work in groups BFFT space				
	Free time	Free time	Free time	Free time	Free time	Free time		

70 students / 70 студентов





Programme structure / структура программы



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Theory / Теоретическая часть:

- Lectures of professors from the UK, Italy, Russia, Greece and Spain / Лекции профессоров из Италии, Греции, Испании, России, Великобритании

Practice / Практическая часть:

- 3 master classes / 3 мастер класса
- Workshop / воркшоп





Peter Lakin, Engineering Surveyor, School of Architecture Computing and Engineering (ACE) at (UEL) University of East London, UK

LECTURE SESSIONS 1 |

Thematic area: BIM tecnologies in Surveying and Design

L1: A BIM Overview

L2: BIM technology for construction

L3: SMART Cities **L4:** BIM for Heritage



(UEL) University of East London, UK www.uel.ac.uk









Renee Tobe, Architect, School of Architecture Computing and Engineering (ACE) at (UEL) University of East London, UK

LECTURE SESSIONS 2 | Thematic area: Architecture

L1: Urban Explorations and Historical Context **L2**: Architecture and Filmic Representation



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Vicente Guallart, Architect, Professor at (HSE) High School of
Economics, Moscow, Russia and
(IAAC) Institute for Advanced
Architecture of Catalonia, Barcelona,
Spain



НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ

Institute for advanced architecture of Catalonia

(IAAC) Institute for Advanced Architecture of Catalonia, Barcelona, Spain

(HSE) High

School of

Moscow,

Russia

Economics,



Thematic area: Urban planning and design for Future Cities

L1: Prototyping Future Cities









Peter Orekhovsky, Phd in economic science, Professor



Thematic area: Urban planning and design: economic aspects

L1: Evolutional regularity of urban territories



Russian Academy of Science, Russia









Stefano Bertocci, Architect, Professor at the *Department of Architecture (Dipartimento di Architettura (DiDA)),*(UNIFI) University of Florence, Italy



Thematic area: Cultural Heritage: Survey and Design

L1: International & National study on Syrvey in of World cultural Heritage

L2: Digital tecnologies in Syrveying and Databasing for Cultural Heritage



(UNIFI) University of Florence, Italy www.unifi.it









Alkiviadis Prepis, Professor, Democritus University of Thrace,
Department of Architectural Engineering, Greece

LECTURE SESSIONS 6 |

Thematic area: Cultural heritage: protection, management and reuse

- **L1**: Industrial heritage, T.I.C.C.I.H. = The International Committee for the Conservation of Industrial Heritage
- L2: Management and re-use of the Industrial Heritage
- L3: Reuse of industrial buildings and rehabilitation of the urban fabric
- **L4:** Application of innovative digital technologies on presentation of diploma works on re-use of industrial heritage



(DUTH) Democritus University of Thrace, Greece www.duth.gr









Michelangelo Pivetta, Architect, Professor at the Department of Architecture (Dipartimento di Architettura (DiDA)), (UNIFI) University of Florence, Italy

LECTURE SESSIONS 7 |

Thematic area: Architecture Design and Form

L1: Renaissance, Palladium and Palladianism

L2: Architecture and archeology: reflex images - Architecture / Archeology

L3: Digital and Virtual and the dawn of the last man



(UNIFI) University of Florence, Italy www.unifi.it









Alkistis Prepi, Architect, ENSA Paris-La-Villette, MSc Urbanism, PhD Candidate in Urbanism, NTUA

LECTURE SESSIONS 8 |

Thematic area: Urban planing strategies and practice

L1: Urban resilience (or: Resilient cities): the T.I.N.A. version of urban planning

L2: Gentrification: the story of three cities



National Technical University of Athens, Greece









Egor Orlov, architect , (MACHI) Moscow Institute of Architecture

MASTER CLASS 1 |

Thematic area: Speculative utopia. Future shapes















Nikolai Ryabov, Senior Lecturer of the Restoration and reconstruction of architectural heritage and bases of architecture department, KSUAE

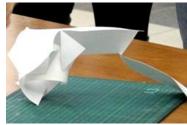
MASTER CLASS 2 |

Thematic area: Paper modeling as a sketching technique













Dr. Anna Akatyeva, architect, PhD in Architecture

SUE Territorial Design and Survey Production Company

"Tatinvestgrazdanproject", Kazan

MASTER CLASS 3 |

Thematic area: Architecture Graphical and Oral Presentation













Andrey Matveev, Creative Director of Children's entertainment projects













Workshop is realized within the Annual Programme of the Ministry of Culture of the Republic of Tatarstan, Russia «Cultural heritage in the XXI century: preservation, use, popularization»

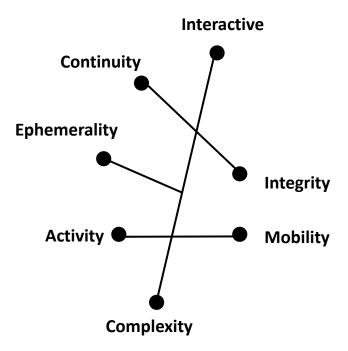
Воркшоп реализуется в рамках ежегодного проекта Министерства культуры РТ «Наследие в XXI веке: сохранение,







polis



7 aspects x 7 teams

Interactive + Mobility + Integrity + Complexity + Continuity + Activity + Ephemerality

To realize the full potential of modern trends and technologies within the workshop for yard space renovation of Kazan **Young Spectator's Theatre**, it is proposed to develop an interactive, transformable space for conducting **educational practices** (specified classes for children and adults, episodic workshops, group and individual classes, games and quests, lectures, seminars), **citywide events** and **festivals**, **exhibitions**, **performances**, and also **theatre performances** in **various formats**.

Для реализации всего потенциала современных тенденций и технологий при формировании концепции реновации **дворовых пространств казанского ТЮЗа**, в рамках воркшопа предлагается разработать интерактивное, трансформируемое пространство для проведения **образовательных практик** (кружковые занятия для детей и взрослых, эпизодические мастерклассы, групповые и индивидуальные занятия, игры и квесты, лекции, семинары), **общегородских мероприятий** и фестивалей, выставок, перформансов, а также театральных представлений в различных форматах.





Workshop Tutors

Interactive



Elza Bashirova, architect, lecturer & researcher, KSUAE



Complexity

Sophia Agisheva architect, lecturer & researcher, KSUAE



Albina Khayrullina architect - restorer. teaching assistant, KSUAE



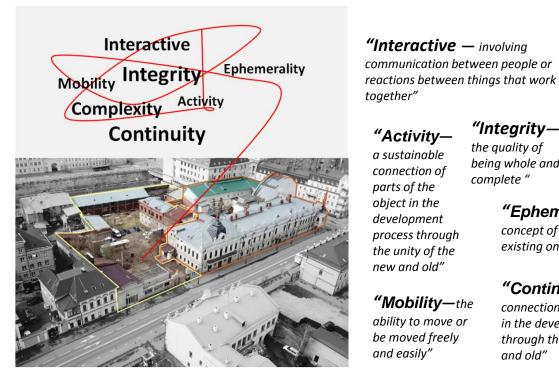
Irina Nasyrova, architect - restorer, signor lecturer, KSUAE



Irina Karpova. architect - restorer. associate professor, KSUAE



Anna Rikhert, architect, artist, KSUAE



"Activity a sustainable connection of parts of the object in the development process through the unity of the

new and old"

"Mobility—the ability to move or be moved freely and easily"

"Complexity a behaviour of a system or model whose components interact in multiple ways and follow local rules"

"Ephemerality— the concept of things being transitory, existing only briefly"

"Integrity—

being whole and

the quality of

complete "

"Continuity— a sustainable connection of parts of the object in the development process through the unity of the new and old"



Merine Grigoryan, architect, artist, KSUAE



Workshop _ working process_ site visit











Excursion to the project area of the inner space of Young Spectator's Theater /

Посещение проектной территории дворовых пространств комплекса казанского ТЮЗа



Workshop _ working process









(TSSRA) "Tatar Special Scientific and Restorative Administration", Russia | www.tsnru.ru

3D Laser Scanning /

3D Лазерное сканирование дворовых пространств и исторических построек ТЮЗа



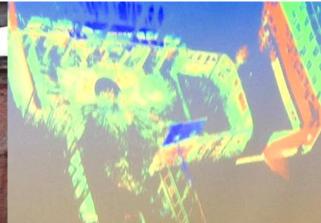


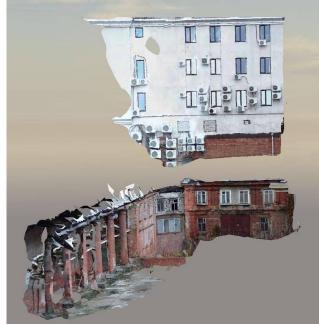




Workshop _ working process







Workshop _ working process











Workshop _ expert assessment







Aigul Gornisheva,Director of the Theatre of Young Spectator

Prof. Stefano Bertocci, (UNIFI) University of
Florence, IT
Prof. Alkiviadis Prepis, (DUTH) Democritus University
of Thrace, GR

Dr. Peter Lakin, (UEL) University of East London, UK **Dr. Renee Tobe,** (UEL) University of East London, UK





Workshop _ expert assessment







Prof. Stefano Bertocci, (UNIFI) University of Florence, IT
Prof. Alkiviadis Prepis, (DUTH) Democritus University of Thrace, GR

Prof. Michelangelo Pivetta, (UNIFI) University of Florence, IT

Svetlana Persova, Deputy of chairman of the committee for cultural heritage preservation



Workshop _ expert assessment



Svetlana Persova,

Deputy of chairman of the committee for cultural heritage preservation

Dr. Karina Nabiullina,

Director of (IAD) Institute of Architecture and Design, KSUAE

Dr. Elena Denisenko,

Deputy director of (IAD) Institute of Architecture and Design, KSUAE



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