



**University of West Attica
(UWA)**

**World Institute for
Engineering and Technology
Education (WIETE)**

**World Institute for Engineering and Technology Education (WIETE) and
Mediterranean Centre for Engineering and Technology Education
(MCE&TE)**

Jointly organise

6th Mediterranean Seminar on Engineering and Technology Education

Regional Collaboration

to be held in

**University of West Attica
Piraeus-Athens, Greece**

10 to 14 September 2018

**SEMINAR
PRELIMINARY
PROGRAMME**

OUTLINE SEMINAR PRELIMINARY PROGRAMME

	Monday 10 September 2018	Tuesday 11 September 2018	Wednesday 12 September 2018	Thursday 13 September 2018	Friday 14 September 2018	
09.00					Field Excursion	
10.30		Morning Tea	Morning Tea	Morning Tea		
11.00		Seminar Opening Ceremony Opening Addresses	Special Session 1 (Session 3)	Paper Presentations (Session 5)		
13.00		Lunch	Lunch	Lunch		
14.00		Paper Presentations (Session 1)	Special Session 2 (Session 4)	Paper Presentations (Session 6)		
15.00		Registration	Afternoon Tea	Afternoon Tea		Afternoon Tea
15.30						
16.00	WIETE Workshop: <i>Publish and be Cited</i> (Part 1)	Paper Presentations (Session 2)	WIETE Workshop: <i>Publish and be Cited</i> (Part 2)	Special Session 3 (Session 7)	Farewell Supper	
17.30	WIETE-IAAC Meeting					
18.00	Welcome Reception	Cocktail Party				
18.30				Seminar Closing Ceremony		
19.00						
20.00			Seminar Banquet			

SEMINAR PRELIMINARY PROGRAMME

MONDAY, 10 September 2018

- 15.00 **Registration** **Venue:** Seminar Venue: 250 Thivon Str. & P. Ralli Av., 12244, Aigaleo, Athens, Greece
- 16.00 **WIETE Workshop** **Venue:** Seminar Auditorium
- Facilitators:** **Mrs Dorota I. Pudlowski**, WIETE Managing Director and **Prof. Zenon J. Pudlowski**, WIETE Director, Melbourne, Australia
- (Open Meeting)** ***Publishing in WIETE Journals - How to become a Published and Cited Author***
- Part 1 – How to write a Journal Article***
- 17.30 **Meeting of WIETE International Academic Advisory Committee (WIETE-IAAC)** **Venue:** Seminar Venue
- Chairman:** **Prof. Robert Špaček**, Vice-Dean, Faculty of Architecture, Slovak University of Technology in Bratislava, Bratislava, Slovakia; President, WIETE International Academic Advisory Committee (WIETE-IAAC)
- 18.00 **Welcome Reception** **Venue:** Seminar Venue

TUESDAY, 11 September 2018

- 10.30 **Morning Tea** **Venue:** Seminar Venue
- 11.00 **Opening Ceremony** **Venue:** Seminar Auditorium
- Introduction** **General Chairman:** **Prof. Zenon J. Pudlowski**, WIETE Director, Melbourne, Australia
General Co-Chairman: **Prof. George Metaxas**, MCE&TE Director, University of West Attica, Piraeus-Athens, Greece; Vice-President, WIETE International Academic Advisory Committee (WIETE-IAAC)
- Opening Welcome** **Seminar Patron:** **Prof. Constantinos Moutzouris**, Rector, University of West Attica, Piraeus-Athens, Greece
- Welcome Address** **Honorary Co-Chairman:** **Prof. Robert Špaček**, Slovak University of Technology in Bratislava, Bratislava, Slovakia; President, WIETE International Academic Advisory Committee (WIETE-IAAC)
- Welcome Address** **Honorary Co-Chairman:** **Prof. Sabina Kuc**, Cracow University of Technology, Kraków, Poland; Vice-President, WIETE International Academic Advisory Committee (WIETE-IAAC)
- Opening Addresses Session** **Chairman:** **Prof. Robert Špaček**, Slovak University of Technology in Bratislava, Bratislava, Slovakia; President, WIETE-IAAC
- Opening Address 1** **Dr Eleni Korka**, General Director of Antiquities and Cultural Heritage, Ministry of Culture and Sports, Hellenic Republic
- Ancient paint and its techniques in Tenea, Korinthia***
- Opening Address 2** **Prof. Wacław Celadyn**, Director, Institute of Building Design, Cracow University of Technology, Kraków, Poland
- Controversy over the visions of architectural profession***

Opening Address 3

Assoc. Prof. Stanislav Avsec, Head, Department of Physics and Technology,
Faculty of Education, University of Ljubljana, Ljubljana, Slovenia

Empowering pre-service teachers for self-directed learning of engineering design using innovative ICT-based approaches

Opening Address 4

Prof. Grażyna Schneider-Skalska, Vice-Dean, Faculty of Architecture,
Cracow University of Technology, Kraków, Poland

Interdisciplinary education of architects on a global and local scale

13.00 **Lunch** **Venue:** Seminar Venue

14.00 **Paper Presentations** **Session 1**

Chairman: Prof. Viljan Mahnič, University of Ljubljana, Ljubljana, Slovenia
Venue: Seminar Auditorium

Papers:

Task of external evaluation in the process of entrance procedure at FA STU, R. Špaček, J. Ilkovič and E. Ilkovičová, Slovak University of Technology in Bratislava, Bratislava, Slovakia

Teaching aimed at problems of cities in the regions - objective and mission of urban planners' education, E. Vitková and K. Smatanová, Slovak University of Technology in Bratislava, Bratislava, Slovakia

Teaching architectural design - addressing the contemporary need of resilience, P. Haupt†, M. Wijas‡ and S. Mochocka‡; Cracow University of Technology, Kraków, Poland†; Kielce University of Technology, Kielce, Poland‡

15.30 **Afternoon Tea** **Venue:** Seminar Venue

16.00 **Paper Presentations** **Session 2**

Chairman: Dr David Rihtaršič, University of Ljubljana, Ljubljana, Slovenia
Venue: Seminar Auditorium

Papers:

The development of understanding concepts of linear dependence-independence, among tertiary technological education students, through the use of dynamic computing environment, P.A. Makrygiannis†, P.S. Makrygiannis‡ and L. Vrizidis†; University of West Attica, Piraeus-Athens, Greece†, Scientific Association for Technological Education and Training, Nikea, Greece‡

Quality assessment analysis in teaching design and mechanical drawing - a mechanical engineering department case study, A. Efthimiou, E. Sfakianaki and G. Kampouridis, Technological Educational Institute of Western Greece, Patras, Greece

The basics of algorithmic and parametric design in the education of architecture students, S. Filipowski and K. Romaniak, Cracow University of Technology, Kraków, Poland

Transformation of typology education at the FA STU in the context of development, E. Ilkovičová and J. Ilkovič, Slovak University of Technology in Bratislava, Bratislava, Slovakia

18.00 **Cocktail Party** **Venue:** Seminar Venue

WEDNESDAY, 12 September 2018

10.30 **Morning Tea** **Venue:** Seminar Venue

11.00 **Special Session 1** **Session 3**

Research and Development Activities in Architecture Education in the Faculty of Architecture at Cracow University of Technology - Some Examples

Chairman & Moderator: Prof. Sabina Kuc, Cracow University of Technology, Kraków, Poland
Venue: Conference Auditorium

Lead Paper:

Teaching of building construction design in the BIM standard - benefits and difficulties, P. Markiewicz, Cracow University of Technology, Kraków, Poland

Papers:

Notes on the integrity in architects' education, R.A. Marcinkowski, Cracow University of Technology, Kraków, Poland

Designed for professional success - competences commissioned for the architects, K.M. Paprzyca, Cracow University of Technology, Kraków, Poland

The photo exhibition of the Garden Show Buga as a way of teaching students landscape architecture, S. Kuc, Cracow University of Technology, Kraków, Poland

Discussion

13.00 **Lunch** **Venue:** Seminar Venue

14.00 **Special Session 2** **Session 4**

Research and Development Activities in Technology Education in the Department of Physics and Technology at the University of Ljubljana, Slovenia - Some Examples

Chairman & Moderator: Assoc. Prof. Stanislav Avsec, Head, Department of Physics and Technology, Faculty of Education, University of Ljubljana, Ljubljana, Slovenia

Venue: Conference Auditorium

Lead Paper:

Using Arduino based low-cost DAQ in science teacher training, D. Rihtaršič, University of Ljubljana, Ljubljana, Slovenia

Papers:

Reflections on the implementation of innovative use of ICT in STEM teacher training programmes at the University of Ljubljana, V. Ferk Savec, Š. Hrast, V. Šuligoj and S. Avsec, University of Ljubljana, Ljubljana, Slovenia

ICT supported inquiry-based learning, Š. Hrast and V. Ferk Savec, University of Ljubljana, Ljubljana, Slovenia

Discussion

15.30 **Afternoon Tea** **Venue:** Seminar Venue

16.00 **WIETE Workshop** **Venue:** Seminar Auditorium

Facilitators: Mrs Dorota I. Pudlowski, WIETE Managing Director and Prof. Zenon J. Pudlowski, WIETE Director, Melbourne, Australia

(Open Meeting)

Publishing in WIETE Journals - How to become a Published and Cited Author

Part 2 – How to write – continues; mechanism of citation impact

20.00 **Seminar Banquet** **Venue:** To be advised

THURSDAY, 13 September 2018

10.30 **Morning Tea** **Venue:** Seminar Venue

11.00 **Paper Presentations** **Session 5**

Chairman: Prof. Grażyna Schneider-Skalska, Vice-Dean, Faculty of Architecture, Cracow University of Technology, Kraków, Poland

Venue: Seminar Auditorium

Papers:

Tools support for the management of students' software engineering projects, V. Mahnič, University of Ljubljana, Ljubljana, Slovenia

A new style of architecture for Kazakhstan - Oitegi, Z. Malibekuly, O. Semenyuk, S. Sadykova, U. Dyisebayev and M. Amirkhanov

The use of live streaming in design based modules, P. Hertzog, Central University of Technology, Bloemfontein, Free State, South Africa

The level of social skills and understanding emotions in students of the Cracow University of Technology, A. Szweczyk-Zakrzewska, Cracow University of Technology, Kraków, Poland

13.00 **Lunch** **Venue:** Seminar Venue

14.00 **Paper Presentations** **Session 6**

Chairman: Prof. Georgios Kampouridis, Technological Educational Institute of Western Greece, Patras, Greece

Venue: Seminar Auditorium

Papers:

The quality development (QDev) Unit in the Software Engineering School, H. Chassidim, D. Almog and S. Mark, Shamoon College of Engineering, Ashdod, Beer Sheva, Israel

Adaptive reuse concept in a sustainable interior design model, M. Celadyn, Jan Matejko Academy of Fine Arts, Kraków, Poland

An epic consequence of classroom revision of course content for first-year African engineering students, A.J. Swart, Central University of Technology, Bloemfontein, Free State, South Africa

15.30 **Afternoon Tea** **Venue:** Seminar Venue

16.00 **Special Session 3** **Session 7**

Research and Development Activities in Engineering and Technology Education in the Faculty of Engineering at the State University of Malang, Malang, Indonesia - Some Examples

Chairman & Moderator: Dr Aji P. Wibawa, State University of Malang, Malang, Indonesia

Venue: Conference Auditorium

Lead Paper:

Entrepreneurial leadership for pursuing excellence in technical and vocational education institutions, A. Dardiri, I. Alfianto, T. Kuncoro, Sutrisno, H. Suswanto, H. Elmunsyah, Tuwoso, A. Winarno, State University of Malang, Malang, Indonesia

Papers:

Social-media consultation for helping a problematic student: a case study, I. Hitipeuw, State University of Malang, Malang, Indonesia

Embracing CDIO framework in teaching research methodology for informatics students, A.P. Wibawa†, Haviluddin‡ and Purnawansyah*, State University of Malang, Malang, Indonesia†; Mulawarman University, Samarinda, Indonesia‡; Indonesian Moslem University, Makassar, Indonesia*

Energy education considering environmental behaviour for power energy saving, S. Sendari†, W. Kamdi†, Y. Rahmawati†, A.P. Wibawa†, Indriyani Rachman‡ and Toru Matsumoto‡; State University of Malang, Malang, Indonesia†; University of Kitakyushu, Kitakyushu, Japan‡

Teaching renewable energy in power installation subject for preparing energy-aware industrial workers, Y. Rahmawati, State University of Malang, Malang, Indonesia

Discussion

18.30 **Closing Ceremony** **Venue:** Seminar Auditorium

Concluding Remarks **Honorary Co-Chairman: Prof. Sabina Kuc**, Cracow University of Technology, Kraków, Poland; Vice-President, WIETE-IAAC

Concluding Remarks **Honorary Co-Chairman: Prof. Robert Špaček**, Slovak University of Technology in Bratislava, Bratislava, Slovakia; Vice-President, WIETE-IAAC

Closing Remarks **General Chairman, Prof. Zenon J. Pudlowski**, WIETE Director, Melbourne, Australia, and **General Co-Chairman: Prof. George Metaxas**, MCE&TE Director, Piraeus University of Applied Sciences (TEI-Piraeus), Athens, Greece; Vice-President, WIETE-IAAC

FRIDAY, 14 September 2018

10.30 **Field Excursion**

Venue: Departure from Seminar Venue

18.00 **Farewell Supper**

Venue: To be advised