



PROGRAM

UNESCO Interregional Engineering Conference in Technology and Education - Global Benchmarking and Monitoring, Sustainable Growth from Engineering Perspective UCTE 2018

Place: AGH University of Science and Technology, Krakow, bld. C6, room 108

Date: 17-19.12.2018

Organizer: AGH UST, UNESCO AGH Chair

<http://www.ucte.agh.edu.pl/>; www.unesco.agh.edu.pl

17.12.2018, Plenary Session PS 01-02; AGH UST, bld.C6, room 108

09.00-09.15, UCTE 2018 opening, prof. dr hab. inż. Jerzy Lis (AGH UST V-ce Rector for Cooperation), prof. dr hab. inż. Janusz Szpytko (UNESCO AGH Chairholder);

Plenary Session PS01 Chairs: Prof. Janusz Szpytko (Poland), Ms Carla Mericia Monteiro Tavares (Cape Verde), Mr Yorlandys Salgado Duarte (Cuba);

09.15-09.45, New challenges for mining engineering/ Nowe wyzwania dla górnictwa, prof. dr hab. inż. Marek Cała (AGH UST);

09.50-10.30, Evolution in the design of technical system, Biprostal Krakow case study, Mr Balda Grzegorz (President of the Engineering Office BIPROSTAL Ltd.);

10.35-11.20, New methods of exploring the future of technology, prof. dr hab. inż. Andrzej M.J. Skulimowski (AGH UST);

11.25-11.50, Evolution of cybersecurity, dr inż. Piotr Pacyna (AGH UST);

11.50-12.10, Tea/ coffee break; bld.C6, room 108;

Plenary Session PS02 Chairs: Prof. Janusz Szpytko (Poland), Ms Carla Mericia Monteiro Tavares (Cape Verde), Mr Yorlandys Salgado Duarte (Cuba);

12.10-12.40, Techniques to assess the technical condition of machines and devices, does it pay off ?, dr hab. inż. Tomasz Barszcz (AGH UST);

12.40-13.00, Utilization and recycling of the municipal rubbish, Waste Incineration Plant in Krakow case study, Mr Adam Kostkiewicz (PPUH EKO-ENERGIA);

13.30-15.00, selected AGH UST laboratories visit:

13.30-14.00, Group A, LAT; Group B, LMT; Group C, LMM;

14.00-14.30, Group C, LAT; Group A, LMT; Group B, LMM;

14.30-15.00, Group B, LAT; Group C, LMT; Group A, LMM;

Laboratory of automated transport devices and telematics (LAT), bld. B4;

Laboratory of manufacturing techniques (LMT), bld. B3;

Laboratory of mining machines and transport devices (LMM), bld. B2;

Group A Chair: SALGADO DUARTE Yorlandys (Cuba);

Group B Chair: MONTEIRO TAVARES Carla Mericia (Cape Verde);

Group C Chair: AKINSUNMADE Akinniyi (Nigeria);

18.12.2018, Parallel Sessions: S01, S02; AGH UST, bld.C6, room 108

08.00-10.20, Parallel Session S01; Chairs: Prof. Adam Piestrzyński (Poland); THU Aung Myo (Myanmar); NGUYEN Manh Phuc (Vietnam);

1. Geology and mineralogy of the Ulam-Tolgoi (Zr-NG) to occurrences REE deposits in South East Asia; DORJGOCHOO Sanchir, Mongolia;
2. Stratiform copper deposit in South Asia, copper - gold mineralisation in Phayanung Taung; NAING AUNG KHANT, Myanmar;
3. Gold deposit in Nweyon Area; KAY ZIN OO, Myanmar;
4. Lead-zinc deposit in South East Asia (Cho Dien deposit in Bac Kan VietNam); NGUYEN Manh Phuc, Vietnam;
5. Characteristics and genesis of Cu deposits in Southeast and South Asia, GHAFAR Abdul, Pakistan;
6. Mineralogical characteristic of Cu-Ag from Sabe Taung Copper deposit, western margin of Shan Plateau; THU Aung Myo, Myanmar;
7. Geology and mineralogical characteristic of the Co Dinh Chromite deposit in Thanh Hoa province; HOANG Anh Quy, Vietnam;

10.20-12.40, Parallel Session S02; Chairs: Dr hab. inż. Dariusz Knez (Poland); AKINSUNMADE Akinniyi (Nigeria); NAWAZ Adil (Pakistan);

1. Mineralogical and geological investigations of Carbonite complexes and associated alkaline rocks of Pakistan, South and Southwest Asia; RAZA Mohsin, Pakistan;
2. Geology and petrography of pegmatites from Chilwa Alkaline Province Southern Malawi, KAONGA Hendrix Chikaiko, Malawi;
3. Petrophysical interpretation in carbonates: TOC calculation, BARCALA ALVAREZ Ronal, Cuba;
4. REE deposit in South East Asia: Sakhangyi Area, Mogok Region; AYE THAIM HMWE, Myanmar;
5. Chromite deposit in South East Asia; CHO NANDAR AYE, Myanmar;
6. Engineered Solution to Reduce the Impact of Lost Circulation During Drilling and Cementing in Rumaila Field; ALABDAN Ibrahim Hasan Abdulhadi, Iraq;
7. Application of geophysical methods to determine physical and chemical properties of soils; AKINSUNMADE Akinniyi, Nigeria;
8. Economic potential of iron ore in Pakistan; NAWAZ Adil, Pakistan;

12.40-13.00, Tea/ coffee break; bld.C6, room 108;

18.12.2018, Parallel Session: S03; AGH UST, bld.C6, room 108A

08.00-10.20, Parallel Session S03; Chairs: Dr hab. inż. Dorota Kalisz (Poland); RAJAOALISON Herimitsinjo (Madagascar); ARUSTAMIAN Artem (Ukraine);

1. Design, implementation and testing of monitoring system with smart sensors for electric motors of drilling rigs.ERDENETSOO Baljinnyam, Mongolia;
2. Monitoring of sedimentals and bottoms of water reservoirs used for industrial purposes; LAWANI Rebecca Annick Nireti, Benin;
3. Synthesis of ceramic composites on the basis of Al₂O₃, Zr O₂, WC and study of its properties; NAM Tatyana, Uzbekistan;
4. Rock mechanics in petroleum; NGUYEN Hue Quynh, Vietnam;
5. Crush test of proppants; OWUSU Winnie Ampomaa, Ghana;
6. Causes of loss circulation in drilling towards to a well control situation; RAJAOALISON Herimitsinjo, Madagascar;
7. Modeling and analysis of mechanical properties of metal polymeric composites; ARUSTAMIAN Artem, Ukraine;

18.12.2018, Thematic panels: A1, A2; AGH UST, bld.C6, room 107

13.30-14.20, Thematic panel A1, Brain storm discussion; Higher engineering education in global village: today situation, needs, environment and culture background, business targeting, and potential; Chairs: ABBoud Mai (Syria), AIKHAKHOMON Ofure Blessed (Nigeria), DORJGOCHOO Sanchir (Mongolia), NAING AUNG KHANT (Myanmar);

14.30-15.20, Thematic panel A2, Brain storm discussion; Policies and capacity - building in science, technology and innovation for sustainable development - worldwide experience; Chairs: ALABDAN Ibrahim Hasan Abdulhadi (Iraq); DHUNGANA Biraj (Nepal), NGUYEN Manh Phuc (Vietnam), YASMEEN (India);

18.12.2018, Thematic panels: A3, A4; AGH UST, bld.C6, room 306

13.35-14.30, Thematic panel A3, Brain storm discussion; Scientific progress in engineering and technological innovation: today and future; Chairs: ALEMAN HURTADO Lenier (Cuba); AYE THAIM HMWE (Myanmar); SECKA Edward Adolf (Gambia), NASAN AGHA Weam (Syria);

14.35-15.25, Thematic panel A4, Brain storm discussion; Global priorities in engineering identification for Africa, Asia, Latin America; Chairs: KAONGA Hendrix Chikaiko (Malawi), KOSHTI Ambalika Pradip (India), LAWANI Rebecca Annick Nireti (Benin), BARCALA ALVAREZ Ronal (Cuba);

19.12.2018, Sessions: Plenary PS02; Parallel: S04, S05; AGH UST, C6/ 108

Plenary Session PS02 Chairs: Prof. Janusz Szpytko (Poland), Mr PANDYA Yashesh (India); teleconference;

08.00-08.25, Secure realization of the construction works during implementation of the projects developed for energy sector and waste disposal, Ms Joanna Krzeminska (PPUH EKO-ENERGIA);

08.30-09.30, Safety and reliability in modern hospital environment, video distance workshop and practical training (Mr Pawel de Sternberg Stojalowski, Aseptium Ltd., UK)

09.40-11.00, Parallel Session S04; Chairs: Dr hab. inż. Marek Jaszczur (Poland); KOSHTI Ambalika Pradip (India); HAMOUD Mohamad (Syria);

1. Investigation of the temperature impact in the power generation from PV modules; AIKHAKHOMON Ofure Blessed, Nigeria;
2. An investigation on the dust deposition on photovoltaic panels; KOSHTI Ambalika Pradip, India;
3. The effect of partial shadow on photovoltaic module efficiency; AL NAMOUR Jacklin, Syria;
4. Estimation of solar irradiation incident oblique surfaces; ALSHWIKI Marwa, Syria; HAMOUD Mohamad, Syria;

11.00-12.30, Parallel Session S05; Chairs: Prof. Janusz Szpytko (Poland); YASMEEN (India); KEOSYSANO Salakchit (Laos);

1. Recycling system concept of used lead-acid batteries: sustainability case study for Nepal; DHUNGANA Biraj, Nepal;
2. Post - disaster infrastructure functional renew concept based on sustainable approach; NASAN AGHA Weam, Syria;
3. Sustainable development case study: Donsahong hydro power generator project; KEOSYSANO Salakchit, Laos;
4. The impact of globalization on e-commerce and socio-economic development changes; DOGBENAGNON Kpecehwe Francoise Xaviere, Benin;
5. Economic analysis of agricultural policies in India and European Union; YASMEEN, India;
6. The combination of forecast with regression; ESPER Lilian, Syria;

12.30-13.00, Tea/ coffee break; bld.C6, room 108;

19.12.2018, Parallel Session: S06; Thematic panels: A5, A6; AGH, C6/106

09.40-11.00, Parallel Session S06; Chairs: Dr Elżbieta Gałka (Poland); SINGTUEN Vimoltip (Thailand); SECKA Edward Adolf (Gambia);

1. Geotourism, mass tourist and sustainable development in Ly Son Island; PHAN Chinh Thi, Vietnam;
2. Geotourism prospects of the Gambia; SECKA Edward Adolf, Gambia;
3. Geo-education and assessment of the potential in the Chiang Mai Aspiring Geopark in Thailand; SINGTUEN Vimoltip, Thailand;
4. Assessment of geotourism potential of north of Benin (West Africa); HOUNKPE Jechonias Bidossessi, Benin;

11.00-11.45, Thematic panel A5, Brain storm discussion; Engineering potential building across Africa, Asia, Latin America in the field of science, technology and innovation; Chairs: GHAFAR Abdul (Pakistan), OWUSU Winnie Ampomaa (Ghana); SINGTUEN Vimoltip (Thailand), UDOJI Chinonso Uchenna (Nigeria);

11.45-12.30, Thematic panel A6, Brain storm discussion; Enhancing the leverage of science through integrated science, technology and innovation; Chairs: GIDEBO Frehaileab Admasu (Ethiopia), KEOSYSANO Salakchit (Laos), NAM Tatyana (Uzbekistan), DOGBENAGNON Kpechwe Francoise Xaviere (Benin);

12.30-13.00, Tea/ coffee break; bld.C6, room 108;

19.12.2018, Parallel Session: S07; AGH UST, bld.C6, room 105

13.40-15.40, Parallel Session S07; Chairs: Prof. Janusz Szpytko (Poland); MONTEIRO TAVARES Carla Mericia (Cape Verde); SALGADO DUARTE Yorlandys (Cuba);

1. Liquefied petroleum gas transport maintenance concept with telematics use; ALEMAN HURTADO Lenier, Cuba;
2. Availability problems in public transportation: Ethiopia case stud; GIDEBO Frehaileab Admasu, Ethiopia;
3. Urban transport system concept for Nigeria; UDOJI Chinonso Uchenna, Nigeria;
4. Foundry automation, PANDYA Yashesh, India;
5. Motion detection in a dynamic scene; ABBOUD Mai, Syria;
6. Availability assessment method of bus transport fleet; MONTEIRO TAVARES Carla Mericia, Cape Verde;
7. Battery charging model for automated material handling devices into modern industry, SALGADO DUARTE Yorlandys, Cuba;

19.00-21.30, UCTE 2018 Gala Dinner and Round Table Brain Storm Discussion (for invitation)

Participants from:

Benin, Cape Verde, Chad, Cuba, Ethiopia, Gambia, India, Iraq, Laos, Madagascar, Malawi, Mongolia, Myanmar, Nepal, Nigeria, Pakistan, Poland, Rwanda, Syria, Thailand, Ukraine, Uzbekistan, Vietnam, Ukraine.