

PAEE/ALE'2016 Sessions

Row Labels	#	presenter	authors
Debate session			
DB.A			
EN			
07/07/2016			
14:30:00			
1	13	Benedita Malheiro	Ádám Jenei, Aleksandra Bazylinska, Joanna Walczak, Sander Küttis, Manuel Silva, Benedita Malheiro, Cristina Ribeiro, Nidia Caetano, Paulo Ferreira and Pedro Guedes
			Learning Sustainability with EPS@ISEP – Development of a Water Disinfection System
2	26	Benedita Malheiro	Anthony Fountain, Bartosz Kuron, Carina Bentin, Eughan Davies, Kristjan Suits, Paloma Fernández de Toro Ronda, Abel Duarte, Benedita Malheiro, Cristina Ribeiro, Fernando Ferreira, Luís Lima, Paulo Ferreira and Pedro Guedes
			Learning Sustainability with EPS@ISEP – Development of an Insectarium
3	36	Michael Christie	Michael Christie, Maureen O'Neill, Kerry Rutter, Graham Young and Angeline Medland
			Engendering diversity in Engineering Education and other STEM subjects: a case study in sustainability
4	141	Ricardo Abdoel and Ilona Verwaal	Ricardo Abdoel and Ilona Verwaal
			How to create an ecosystem for engineering education to prepare future professionals to sustain in a fast changing and dynamic environment?
DB.B			
EN			
07/07/2016			
14:30:00			
1	46	João Mello Da Silva, João Carlos Felix Souza	João Mello Da Silva, João Carlos Felix Souza, Marcia Longen Zindel, Simone Borges Simão Monteiro, Andrea Cristina Santos and Carlos Henrique Rocha
			Innovative Experiences and Proposals in Engineering Education for Sustainability: Application to the University of Brasilia Undergraduate Production Engineering Program
2	76	Dan Centea	Dan Centea, Allan MacKenzie and Greg Zilberbrant
			Framework for Implementing a Sustainability Curriculum in an Engineering Technology Program
3	130	Anabela Alves	Ciliana Regina Colombo and Anabela Alves
			Sustainability in Engineering Courses in UMinho
4	146	Maria Olga Bernaldo, Gonzalo Fernandez	Maria Olga Bernaldo, Gonzalo Fernández and Iván Hilliard
			How To Measure The Contribution Of Universities To Sustainable
DB.C			
EN			
07/07/2016			
14:30:00			
1	1	Stuart Palmer	Stuart Palmer and Wayne Hall
			A text analytics evaluation of a first-year engineering project-based unit
2	19	Sivachandran Chandrasekaran	Sivachandran Chandrasekaran, Guy Littlefair, Parminder Singh Badwal and Gokul Thirunavukkarasu
			Collaborative Learning Experience of Students in Distance Education
3	103	Andre Mansur	Andre F Uebe Mansur, Brian Joyce, Maria Cristina V Biazus and Elizabeth L G Siqueira
			Results Analysis from Peer Assessment for Entrepreneurship's PBL class in a Business Management Undergraduation Course

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Row Labels	#	presenter	authors
4	108	Marjolijn Burman	Marjolijn Burman, Elsje Londers, Inge Van Hemelrijck and Yolande Berbers Developing and assessing the learning pathway 'Problem-Solving and Design'
DB.D			
PT			
07/07/2016			
14:30:00			
1	80	Diana Mesquita	Diana Mesquita, Maria Assunção Flores and Rui M. Lima O Contributo da Aprendizagem Baseada em Projetos Interdisciplinares para o desenvolvimento de um Currículo por Competências
2	98	Claisy Marinho-Araújo e Mauro Rabelo	Claisy Marinho-Araujo and Mauro Rabelo Matriz de Referência para Avaliação de Perfil e Competências na Educação Superior
3	136	Diana Pereira	Diana Pereira and Maria Assunção Flores Perceções de alunos universitários sobre avaliação das aprendizagens: um estudo em cinco universidades públicas portuguesas
4	139	Patrícia Santos	Patrícia Santos, Maria Assunção Flores, Paulo Flores, Rui Pereira and Nuno Dourado O contributo da Avaliação para a Aprendizagem no Ensino Superior: um projeto de intervenção em Engenharia

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Row Labels	#	presenter	authors
Hands-on			
HO.A			
EN			
06/07/2016			
14:30:00			
1	78	Miguel Romá and Tomás Martínez	Miguel Romá and Tomás Martínez
			What is the role of growth when talking about technology and sustainability?
HO.B			
EN			
06/07/2016			
14:30:00			
1	95	Pau Bofill	Pau Bofill and Montse Ferreras
			Sustainability in Engineering Education
HO.C			
EN			
06/07/2016			
14:30:00			
1	999	Ascension Vizinho-Couty	The Mathworks, Inc.
			Integration of the Model Based Design – Industrial Approach - for Teaching Engineering Science

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Row Labels	#	presenter	authors
Paper session			
PS1.D			
EN			
07/07/2016			
11:30:00			
1	14	Stuart Palmer	Stuart Palmer and Malcolm Campbell Characterising the Australian engineering workforce and engineering graduate occupational outcomes using national census data
2	2	Stuart Palmer	Stuart Palmer The representation of engineering education as a social media topic on Twitter
3	22	Rosalie van Baest	Rosalie van Baest SCS (Social and Communication Skills)
4	89	Natascha Van Hattum-Janssen	Natascha Van Hattum-Janssen and Sacha Tournier-Pelle The design of a master programme in Innovative Textile Development: designing relevant projects
5	66	Cleginaldo Carvalho	Marco Pereira and Maria Barreto PBL in School of Engineering of Lorena at the University São Paulo: Lessons learned and challenges.

PS2.A			
EN			
08/07/2016			
11:30:00			
1	17	Terry Lucke	Terry Lucke and Michael Christie Evaluating the Effectiveness of the Flipped Classroom Approach in Engineering Courses
2	37	Michael Christie	Michael Christie and Terry Lucke Project management in Engineering Education: key issues in supervising PhD students in project based learning
3	90	William Bergqvist	Lars Uppvall, Pär Blomkvist and William Bergqvist Opening the Black Box of Collaborative Writing: Experiences from a Teamwork Based Course in Industrial Management
4	42	Elisabeth Saalman	Elisabeth Saalman Active learning with the use of MOOCs at Chalmers University of Technology – experiences, challenges and future
5	110	Jens Myrup Pedersen	Jens Myrup Pedersen, M. Şükrü Kuran, Jan Frick and Lea Mank Colibri: An International Blended Learning Experience based on Real-World Problems

PS2.B			
PT			
08/07/2016			
11:30:00			
1	23	Carlos Sacchelli	Carlos Sacchelli, Tatiana Renata Garcia, Susie Cristine Keller and Kelen Silva Incentivando as mulheres na Ciência
2	35	Mauro Rabelo	Mauro Rabelo, Celius Magalhaes, Marcelo Furtado and Claisy Marinho-Araújo

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Row Labels	#	presenter	authors
2	35	Mauro Rabelo	A Matriz De Referência Como Suporte Para Avaliação De Competências Em Cálculo Diferencial E Integral
3	71	Maria Araujo	Maria Araujo, Afranio Araujo and Maria Brito
			Casos para Ensino, Aprendizagem baseada em problemas e Consultoria: percepção de alunos da aplicação de um projeto piloto no curso de administração da UFRN
4	48	João Carlos Felix Souza	João Carlos Felix Souza, João Mello Da Silva, Carlos Henrique Rocha, Simone Borges Simão Monteiro and Andrea C. Santos
			Influence of Problem-Based Learning via Projects in INEP/MEC Student Performance Evaluation: Case of the Production Engineering Undergraduate Program at UnB
5	91	João Mello Silva, João Carlos Félix Souza	Simone Borges Simão Monteiro, João Mello Silva, João Carlos Félix Souza and Ana Carla Bittencourt Reis
			PjBL Evolution in the course of Production Engineering at the University of Brasilia

PS2.C

EN

08/07/2016

11:30:00

1	97	Octavio Mattasoglio	Octavio Mattasoglio, Rui M. Lima, Diana Mesquita, Geysa Carvalho Losovoi and Mylla Ciciliano
			The perceptions of faculty engaged in a curricular change to Project Based Learning in an Engineering School at Brazil
2	100	Octavio Mattasoglio	Mylla Ciciliano and Octavio Mattasoglio
			Mapping of a mechanical engineering course curriculum focusing on the implementation of learning strategies - Project Based Learning
3	54	Fares Ben Amara	Fares Ben Amara and Walid Ayari
			Team-based serious game and useful mathematics in engineering education
	131	Luiz Carlos de Campos	Alessandro Silva, Eduardo Ianaguivara and Luiz Carlos de Campos
			Serious game for help children with ADHD learning the basics math concepts
4	87	Luiz Carlos de Campos	Samuel Tavares, Lea Paz da Silva and Luiz Carlos de Campos
			The Perceptions of Engineering Teachers on a "Practice What You Preach" PLE Training Program

PS2.D

PT

08/07/2016

11:30:00

1	73	Diana Mesquita	Waydja C. C. Correia, Marcos G. Ghislandi, Rui M. Lima, Diana Mesquita and Maria Conceição Amorim
			A experiência de aprendizagem baseada em projetos interdisciplinares em um novo campus de engenharia sob a perspectiva dos discentes
2	148	Liane Ludwig Loder	Liane Ludwig Loder
			About engineering undergraduate students: improving the efficiency of ALE strategies in engineering courses
3	156	Valquiria Villas-Boas	Laurete Zanol Sauer and Isolda Gianni de Lima
			Programa Integração Universidade e Escolas de Ensino Médio
4	116	Valquiria Villas-Boas	Valquiria Villas-Boas, Diana Mesquita, Rui M. Lima and Ivete Booth
			Professores de Engenharia Podem Aprender a Tornar a sua Prática Docente Eficaz
5	137	Crediné Menezes	Crediné Menezes and Rosane Aragón
			Aprendizagem Ativa no Desenvolvimento de Sistemas Colaborativos
6	4	Renatos Martins Das Neves	Sidnei Silva e Silva, Elon Lopes da Silva, Vitor William Batista Martins and Renatos Martins das Neves

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Row Labels	#	presenter	authors
6	4	Renatos Martins Das Neves	Identificação de competências docentes a serem potencializadas para o uso do PBL no ensino de graduação em engenharia de produção

PS3.A

EN

08/07/2016

14:30:00

1	77	Dan Centea	Dan Centea, Timber Yuen and Moein Mehtash Implementing a Vehicle Dynamics Curriculum with Significant Active Learning Components
2	6	Domingos Sávio Giordani	Domingos Sávio Giordani and Elisângela De Jesus Cândido Moraes Simulating a business competitive environment in a discipline of the Chemical Engineering course
3	18	Nele Rumler	Nele Rumler and Susanne Staude Applying Problem-Based Learning In Laboratory Education
4	5	Cleginaldo Carvalho	Cleginaldo Pereira de Carvalho Project- Based Learning: An Approach to one House Automation Design
5	65	Cleginaldo Carvalho	Marina Pazeti and Marco Pereira Entrepreneurship: A Practical Approach With Project-Based Learning

PS4.A

EN

08/07/2016

16:30:00

1	121	Sandra Fernandes	Sandra Fernandes and Dinis Carvalho Student's role in the Implementation of a Lean Teaching and Learning Model
2	122	Luciano Soares	Luciano Soares, Paulina Achurra and Fabio Orfali A hands-on approach for an integrated engineering education
3	151	Hideaki Aburatani	Hideaki Aburatani, Shigeyoshi Nakamura, Shinya Maki, Takashi Yamaguchi, Makoto Ichitubo, Misuzu Okada and Kyohei Kuroda Use of Large-Sized Handout (LSH): A Template for Group Learning and Active Learning
4	111	Ghazi Abdelkader Khodjet El Khil	Ghazi Abdelkader Khodjet El Khil, Zied Alaya, Meriem Ben Aissa and Kaouther Louati The agile games for freshmen students
5	150	Duarte Sousa	Duarte Sousa, Marta Abrantes, Edgar Fernandes, José Falcão de Campos, Jorge Matos and Fátima Montemor Managing students with different backgrounds within the same Master program

PS4.B

PT

08/07/2016

16:30:00

1	32	José Rodrigues, Mariana Marinho	José de Souza Rodrigues, Mariana de Toledo Marinho, Kátia Livia Zambon, Renato Campos, Jorge Muniz Jr. and Fernando Bernardi Souza Modelo de um sistema MTS com ponto de pedido, lote econômico e processamento FIFO de ordens e pedidos
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Row Labels	#	presenter	authors
2	149	Milton Francisco de Brito	Milton Francisco de Brito, Robson Santos, Marcos Antonio Maia de Oliveira, Alexandre Formigoni, João Roberto Maiellaro, Caio Flavio Stettiner and Paulo Ramirez Learning Technology in Logistics at the Faculty of Technology of Guarulhos - FATEC, São Paulo, Brazil based in one Gamified system
3	28	Midori Pitanga	Joselito Chagas Replicação da Disciplina Mecânica dos Fluidos Totalmente em PBL com o Foco na Evolução do Aprendizado e Avaliação Plena do Aluno
4	30	Cleginaldo Carvalho	Lucio Veraldo Jr, Bianca Soares Lucio, Danillo Vicente Silva, Karine Borges Oliveira, Jorge Muniz Jr and Messias Borges Silva Projeto Interdisciplinar Aplicado na Engenharia de Produção – Resultado da Proposta de Serviços Copaker
5	15	Fátima Monteiro	Fátima Monteiro, Carlinda Leite and Cristina Rocha A Formação Ética e Cívica nos Currículos dos Cursos de Engenharia do Ensino Superior Português

PS4.C

SP

08/07/2016

16:30:00

1	125	Karen Lemmel Vélez	Karen Lemmel Vélez and Carlos Alberto Valencia Hernandez PBL aplicado a proyectos de grado que demandan incorporar nuevos conocimientos académicos.
2	57	Hernán Mora	Hernán Gustavo Cortés Mora, José-Ismael Peña-Reyes and Alfonso Herrera Jimenez Implementation of education for sustainable development in engineering education. Adjustments in the curriculum design of a course that has elements of project-based learning
3	51	Miriam Chan Pavón_	Francisco Hernández Vázquez Mellado, Miriam Chan Pavón and Jesús Escalante Euán Utilización del Aprendizaje Basado en Proyectos (PBL) aplicando la metodología de las 5'S para el mejoramiento de áreas de trabajo, en escenarios reales, por estudiantes de Ingeniería
4	93	Jesús Escalante Euán_	Jesús Escalante Euán, Ileana Monsreal Barrera and Francisco Hernández Vázquez Mellado Del laboratorio de Ingeniería industrial hacia un escenario real de aprendizaje

PS4.D

EN

08/07/2016

16:30:00

1	145	Kurt Amann	Kurt Amann Implementation of the PBL approach to the “Foundations and Earth Works” Discipline: a Brazilian Experience
2	47	Martín Tarragona	Martín Tarragona, Ignacio Irigaray, Pablo Zinemanas and Jimena Arruti The construction of an analog Vocoder as a hands-on introductory course in Electrical Engineering
3	101	Magdalena Bogacka	Krzysztof Pikon and Magdalena Bogacka Pedagogical evolution based on implementation of case teaching method in masters engineering courses
4	118	Lucyna Czarnowska	Lucyna Czarnowska and Zbigniew Żmudka Targeted post-course survey of project organised course as an example of students' engagement in learning process

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Row Labels	#	presenter	authors
Poster session			
PTS.H			
EN			
07/07/2016			
16:30:00			
1	69	Erik Degraaff	Erik Degraaff The Global UCPBL network for PBL in Engineering Education: sharing PBL expertise
2	94	Octavio Mattasoglio	Nathally Macedo and Octavio Mattasoglio A percepção dos estudantes sobre Projetos e Oficinas com ênfase em Engenharia Civil, oferecidas na série inicial de um curso de Engenharia.
3	102	Józef Pastuszka	Józef Pastuszka, Krzysztof Pikon and Monika Czop Air pollutants and adverse health effects as the subject of the seminars using the new pedagogical approach – case teaching implementation example
4	107	Setsuko Isoda	Chihiro Morimoto, Hikari Mitsuta, Sadayuki Shimoda and Setsuko Isoda A Study on Characteristics of Architectural Working Space for Group Works
5	117	Jacek Kalina	Jacek Kalina Strengthening competences of engineering graduates through supplementary actions - experience gained
6	134	Karol Sztekler, Grzegorz Jodłowski, Ma	Karol Sztekler, Marta Wojcik and Grzegorz Jodlowski Raising the students skills through teaching by Cease teaching method - AGH experiences
7	153	Klaus Wuersig	Klaus Wuersig Toward a more practical Engineering Curriculum (A Sequel)
8	158	Esly Silva	Esly C. M. Silva, Claudia C. Torres and Solange D. S. Alves Mechanical Engineering and PBL methodology in the Federal Institute of Bahia - campus Simões Filho
9	115	Midori Pitanga	Gabriella Alves, Dário Silva, Mayara Mantovani, Nicholas Santos, Midori Pitanga and José Lourenço Unisal Aerodesing team: Successful PBL approach

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Row Labels	#	presenter	authors
Students session			
ST.A			
EN			
07/07/2016			
11:30:00			
1	124	Gonçalo Cruz	Gonçalo Cruz and Caroline Dominguez How can we prepare future engineers to the labour market? A University-Business Cooperation project using Context and Problem-Based Learning approaches
2	113	Fernando Rodriguez	Fernando Rodriguez and José-Ismael Peña-Reyes Teaching Problem-Based Learning to engineering interdisciplinary graduate students
3	55	Daniela Pedrosa	Daniela Pedrosa, José Cravino, Leonel Morgado and Carlos Barreira Self-regulated learning in higher education: strategies adopted by computer programming students
4	105	Magdalena Bogacka	Magdalena Bogacka and Krzysztof Pikon Learning by doing approach implementation in project management courses
5	56	Hernán Mora	Hernán Gustavo Cortés Mora, Jonatan Hans Tovar Rodriguez, Juan Carlos Espinosa Moreno and José-Ismael Peña-Reyes Measuring sustainable lifestyles of engineering students from the Universidad Nacional de Colombia. Construction of the instrument

ST.B			
EN			
07/07/2016			
11:30:00			
1	152	Rita Faria	Andreia Almeida, Mariana Masteling, Mariana Sousa, Marta Cortesão and Rita Faria EBEC Bridges University-Business skills
2	140	Rui Baía	Rui Baía, Ana Martins, António Gonçalves, Filipa Barros, Inês Vilas Boas, José Rodrigues, Pedro Araújo, Tiago Pereira, Vasco Areias and Rui M. Lima Analysis and Diagnosis of a Hand Tools Production System
3	45	Hector Bosso	Hector Bosso Proposal for setup time reduction of a cold chamber die casting machine
4	84	Filipe Santos	Filipe Santos, Simone Borges Simão Monteiro and André Luiz Aquere Incorporating Agile Project Management Methodologies To The Production Systems Project 5 Course Within The Production Engineering Undergraduate Program At The University

ST.C			
EN			
07/07/2016			
11:30:00			
1	144	Mariana Martins, Francisco Ramires, M	Mariana Martins, Francisco Ramires, Miguel Cunha and Anabela Alves Different Structures of Projects in Engineering: Perspective of Freshmen Students
2	50	Mariana Marinho	Mariana Marinho, José Rodrigues and Kátia Zambom Distance Learning for training of the Business Game Bom Burguer's tutors
3	143	Francisca Ribeiro, João Nobre, Liliana S	Francisca Ribeiro, João Nobre, Liliana Silva and José Dinis-Carvalho

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Row Labels	#	presenter	authors
3	143	Francisca Ribeiro, João Nobre, Liliana S	A student team project in real context: The team view

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Row Labels	#	presenter	authors
Workshop			
WK.A			
EN			
08/07/2016			
14:30:00			
1	88	Damon Berry	Shannon Chance, Damon Berry, Ted Burke and Frank Duignan
			RoboSlam: Robot-Building Workshops for Engineering Educators
WK.B			
EN			
08/07/2016			
14:30:00			
1	106	Jacqueline Asscher	Jacqueline Asscher
			Active Learning Exercise: Viewing Other Students' Projects through Green Lenses