

0.4-0.5 JULY 2019 BILBAO

2nd INTERNATIONAL CONFERENCE ON

ENGINEERING EDUCATION FOR THE XXI CENTURY



- Program -

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THURSDAY 4 JULY

8:45	9:00	Reception
9:00	9:20	Opening
9:20	11:30	Round Table
11:30	12:00	Coffee Break
12:00	13:00	Debate at the Round Table
13:00	13:30	Debate at the public
13:30	14:30	Lunch
14:30	15:00	Plenary S: SOCIALLY EMBEDDED: OUR RESPONSIBILITY TO IMPROVE THE WORLD Jared Shoepf
15:00	15:30	Plenary D: ALIANZAS MULTIACTOR PARA LA CONSTRUCCIÓN DE ALTERNATIVAS AL DESARROLLO. EXPERIENCIA DE LA RED COMPARTO EN LA COLABORACIÓN CON LA UNIVERSIDAD Amaia Unzueta
15:30	16:40	Session S & D S-O-1 S-O-2 S-O-3 S-O-4 D-O-1 S-V-1 S-V-2
16:40	17:10	Coffeebreak
17:10	17:40	Plenary G: INTEGRATING THE GENDER DIMENSION IN STEM TEACHING: A TEAMWORK PROCESS Elisabet Mas de les Valls
17:40	18:30	Session G G-O-1 G-O-2 G-O-3 G-V-1
18:30	19:30	Workshop S, D & G G-P-1

FRIDAY 5 JULY

9:00	9:30	Plenary C: CORPORATE CITIZENS: ENGAGING TOWARDS A SUSTAINABLE ECONOMY Cecilia Martínez
9:30	10:45	Session C C-V-1 C-O-1 C-O-2 C-O-3 C-O-4 C-O-5
10:45	11:15	Coffee break
11:15	11:45	Plenary E: THE CHALLENGE OF SDGS INTEGRATION INTO CURRENT UNIVERSITY CURRICULA Giulia Sonetti
11:45	13:00	Session E E-O-1 E-O-2 E-O-3 E-O-4 E-O-5 E-O-6 E-O-7
13:00	14:45	Workshop C & E C-P-1 E-P-1 E-P-2 E-P-3 E-P-4 E-P-5 E-P-6 E-P-7 E-P-8
14:45	15:00	Closing
15:00	16:00	Lunch

TITLE		PRESENTER
SESSION S: SERVICE-LEARNING AND SOCIAL COMMITMENT IN ENGINEERING.		

S-I	SOCIALLY EMBEDDED: OUR RESPONSIBILITY TO IMPROVE THE WORLD GOOD?	Jared Shoepf
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S-O-1	SOCIALLY COMMITTED LEARNING IN ENVIRONMENTAL SUSTAINABILITY THROUGH 3D DIGITAL MODELS AND BIM.	María Senderos Laka, Iñigo Leon Cascante, Cristina Marieta Gorriti and José Javier Pérez Martínez
S-O-2	DESIGN AND DISABILITY: A SERVICE-LEARNING EXPERIENCE FOR SECOND COURSE UNDERGRADUATES	Raúl Izquierdo, Luis Cabedo, Marta Royo, Mar Carlos, Vicente Aparici, Raquel Oliver, Jose Ortega and Adolfo Reina
S-O-3	RECONDITIONED LABORATORY FURNACES BY MATERIALS ENGINEERING STUDENTS	José Antonio Padilla, Alejandro Calderón, Adela Svobodova, Mònica Martínez and Mercè Segarra
S-O-4	EDUCATIONAL GARDENS AS A UNIVERSITY MULTIDISCIPLINARY TEACHING RESOURCE: EXPERIENCE IN UNIVERSITY JAUME I	Leonor Hernández López, Salvador F. Torró Cuelco, Lidón Monferrer Sales, Concepción Calvo Más, Carmen Jose Emo Barberá, Rosa García Puchol, Pascual M. Ayet Cubero, María López Piñon

S-V-1	RESULTS OF THE INSTITUTIONALIZATION OF SERVICE LEARNING AT UNIVERSITAT ROVIRA I VIRGILI: IMPLEMENTATION IN ENGINEERING STUDIES	Avril Lombardi Bolaño, Maria Marquès i Banqué, Sandra Contreras Iglesias, Dolors Setó Pàmies and Fàbia Morales Vives
S-V-2	INFLUENCE AND POSSIBILITIES OF CLOUD COMPUTING IN ENGINEERING EDUCATION	Juan Vicente Capella, Luis Escolar

SESSION D: ENGINEERING AND DEVELOPMENT CO-OPERATION

D-I	ALIANZAS MULTIACTOR PARA LA CONSTRUCCIÓN DE ALTERNATIVAS AL DESARROLLO. EXPERIENCIA DE LA RED COMPARTE EN LA COLABORACIÓN CON LA UNIVERSIDAD	Amaia Unzueta
D-O-1	A SUSTAINABLE DEVELOPMENT GOAL IN 'ENERGY GENERATION AND TRANSMISSION' SUBJECT	Olatz Ukar Arrien, Carlos Pascual, Imanol Iraragorri, Pablo De La Puente and Arantza Mugica

SESSION G: ENGINEERING AND GENDER / DIVERSITY.

G-I	INTEGRATING THE GENDER DIMENSION IN STEM TEACHING: A TEAMWORK PROCESS	Elisabet Mas de les Valls
G-O-1	SHE-TIMELINE: TO THE RESCUE OF THE (IN)VISIBLE PIONEERS OF TECHNOLOGY	M. Nuria Salán, Didac Ferrer, Marta Gil and Ana Freire
G-O-2	INCLUSION OF GENDER PERSPECTIVE IN SUBJECTS OF THE DEGREE IN MECHANICAL ENGINEERING	Maria Inmaculada Tazo, Saioa Etxebarria, Amaia Calleja, Ana Boyano and Amaia Mesanza
G-O-3	PROMOTION OF SCIENTIFIC CAREERS: THE AQUÍ STEAM-UPC PROGRAMME	Silvia Gomez Castan, Didac Ferrer Balas, Carma Fenoll Clarabuch, NÚria Garrido Soriano and Gemma Fargas Ribas
G-P-1	IDENTIFYING THE INFLUENCE OF STUDENTS SOCIO-ECONOMICAL STATUS AND LIFE STYLE ON THEIR ACADEMIC PERFORMANCE USING MACHINE LEARNING TECHNIQUES	Amaya Lobo, Ana Lorena Esteban-García, Miguel Cuartas, Saul Torres, Sanchez Miguel Ángel and Jose Luis Moura
G-V-1	WRITING OF STEM WOMEN'S BIOGRAPHIES IN WIKIPEDIA FORMAT, AN OPPORTUNITY TO IMPROVE CROSS-CURRICULAR COMPETENCIES	Encina Calvo Iglesias and Conor Douglas Lynch

SESSION C: CORPORATE AND BUSINESS SOCIAL RESPONSIBILITY.

C-I CORPORATE CITIZENS: ENGAGING TOWARDS A SUSTAINABLE ECONOMY Cecilia Martínez

C-O-1	INSTITUTIONAL RELATIONS BETWEEN THE UNIVERSITY OF VALENCIA (SPAIN), THE UNIVERSITY OF CAMAGÜEY AND THE UNIVERSITY OF PEDAGOGICAL SCIENCES OF HAVANA (CUBA), FOR THE IMPLEMENTATION OF SERVICE-LEARNING FROM THE PERSPECTIVE OF EDUCATION FOR SUSTAINABILITY	M. Pilar Martínez-Agut, Anna Monzó Martínez, Isidro E. Méndez Santos, Roeris González Sibilla, Marisela Guerra Salcedo, Daemar Ricardo Marrero, Julio C. Rifa Tellez, Maikel Pons Giralt, Rafael Bosque Suárez, Amparo Osorio Abad, Yaneisys Cisneros Ricardo, Jean Robaina Sánchez, Lianny Sánchez López and María Victoria González Peña
C-O-2	THE LEARNING-SERVICE AS AN EDUCATIONAL MODEL: INTRODUCTION STRATEGIES IN THE SUBJECTS OF DEGREE, MASTER AND DOCTORATE IN THE UNIVERSITY OF VALENCIA	M. Pilar Martínez-Agut, Anna Monzó Martínez, Pedro José Herreros Martínez, José Daniel López Jiménez, Concha Barceló López, Maikel Pons Giralt and Ana María Ramón Sánchez
C-O-3	ENVIRONMENTAL SUSTAINABILITY OF THE MIRAVALLS GEOTHERMAL FIELD AND ITS SOCIO-ENVIRONMENTAL IMPACT IN THE SECTOR OF THE MIRAVALLS VOLCANO, BAGACES, COSTA RICA	Bryan Eduardo Moncada Villegas
C-O-4	SUSTAINABILITY AND INSTITUTIONALIZATION MODEL: THE CASE OF THE MPIA	Claudia Islas Torres, Rocio Carranza Alcantar, M Nuria Salán Ballesteros and Sergio Franco Casillas
C-O-5	TEACHING AND LEARNING CIRCULAR ECONOMY TO DESIGNERS. LESSONS LEARNED FROM PRELIMINARY EXPERIENCES	Elena Mulet, Kirsten Schmidt, Rainer Pamminger, Marta Royo, Maria Kalleitner-Huber, Joao Sampaio,

		Cristina Rocha and Ana Afonso
C-P-1	UNIVERSITY-ENTERPRISES: A WIN-WIN RELATIONSHIP, FROM BUSINESS TO RESEARCH	Ana M Beltran, Paloma Trueba Muñoz, Nuria Salan, Jose M. Bayo, Juan Antonio Rodríguez Ortiz and Yadir Torres
C-V-1	STUDENTS AS STAKEHOLDERS: WHEN FUTURE LEADERS BECOME THE LEADERS OF NOW	Samira Kakh and Barnaby Pace

SESIÓN E: ENVIRONMENTAL SUSTAINABILITY.

E-I	THE CHALLENGE OF SDGS INTEGRATION INTO CURRENT UNIVERSITY CURRICULA	Giulia Sonetti
E-O-1	ANALYSING THE INCORPORATION OF SUSTAINABLE DEVELOPMENT INTO EUROPEAN HIGHER EDUCATION INSTITUTIONS' CURRICULA	Rodrigo Lozano and Maria Barreiro-Gen
E-O-2	MOBILITY NEEDS IN THE UNIVERSITY OF THE BASQUE COUNTRY AND THEIR ENVIRONMENTAL FOOTPRINT	Eduardo De la Torre, Gorka Bueno, Iñaki Zuazo, Estibaliz Saez de Camara and Unai Tamayo
E-O-3	5S METHODOLOGY IMPLEMENTATION IN AN INDUSTRIAL CHEMICAL ENGINEERING LABORATORY	Nahiara Azanza, Junkal Gutierrez, Josune Amurrio, Arrate Santaolalla and Gorka Gallastegui
E-O-4	ROLE-PLAY BASED LEARNING: AN APPLICATION TO THE ECONOMICS OF CLIMATE CHANGE	Marta Escapa, Mari Luz Campo and Amaia de Ayala
E-O-5	TOWARDS INTEGRATION OF ENVIRONMENTAL DIMENSION IN THE COLOMBIAN UNIVERSITY OF THE 21ST CENTURY. CASE STUDY: TECHNOLOGICAL UNIVERSITY OF PEREIRA - COLOMBIA	Jenny Adriana Garcia Palacio, Jhoniers Gilberto Guerrero Erazo and Diego Pablo Ruiz Padillo
E-O-6	DEFINITION OF THE KEY OBJECTIVES OF SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING: AN EXPERIENCE IN THE CLASSROOM	Cristina Peña-Rodríguez and Florencio Fernández-Marzo
E-O-7	FACTS AT YOUR FINGERTIPS – FOR TEACHING BASED ON UN SUSTAINABLE DEVELOPMENT GOALS	Sara Onrubia

E-P-1	RESPONSIBLE AND SUSTAINABLE PURCHASE OF CHEMICAL REAGENTS AT THE UNIVERSITY: A FURTHER STEP TOWARDS A CIRCULAR ECONOMY	Amaia González, Naiara Rojo, Dolores Encinas and Zuriñe Gómez de Balugera
E-P-2	FINAL YEAR PROJECTS IN THE RENEWABLE ENERGIES ENGINEERING FIELD. PRACTICAL CASES SPECIFICALLY DESIGNED FOR THE UNIVERSITY BUILDINGS	Maria González Alriols, Alain Ulazia, Aitor Urresti, Álvaro Campos Celador and M. Mirari Antxustegi
E-P-3	ENVIRONMENTAL SUSTAINABILITY IN ELECTRICAL ENGINEERING DEGREE THROUGH THE INCLUSION OF THE SUSTAINABLE DEVELOPMENT GOAL NUMBER 15	Zalao Aginako and María Begoña Peña-Lang
E-P-4	ADDRESSING SUSTAINABILITY COMPETENCES IN ENGINEERING COURSES: AN EXPERIENCE	Teresa Guraya, Esperanza Diaz, Zalao Aginako, Begoña Peña Lang and Joseba Albizuri
E-P-5	ASSESSING THE IMPACT OF TRANSITION TOWARDS SUSTAINABLE MOBILITY: THE E-CAR GAME	Teresa Guraya, Denis Lopez, Jon Basarrate, Txaber Gutiérrez, Juan Pablo Gordillo and Joseba Albizuri
E-P-6	INSERTION OF SUSTAINABLE DEVELOPMENT IN THE DEGREE OF ELECTRICAL ENGINEERING. A FIRST APPROXIMATION	Zalao Aginako, Koldobika J. Sagastabeitia and Miren T. Bedialauneta
E-P-7	TEACHING METHODOLOGY ON SUSTAINABLE DEVELOPMENT IN PRIMARY AND SECONDARY EDUCATION IN COSTA RICA	Bryan Eduardo Moncada Villegas
E-P-8	MOBILE TELEPHONES WASTE IN THE CONSUMERISM SOCIETY	Teresa Guraya, Alvaro Fernandez, Kevin Gonzalez, Fernando Lopez and Joseba Albizuri

