

Monday, 10th February , 2020

8:00 Shuttle Service		
8:15 Handing out of documentation		
ROOM 1	ROOM 2	ROOM 4
9:15 Opening Ceremony		
09:45 - 11:00		
FEATURED SESSION. PANEL DEBATE		
The Globalization of the Ceramic Tile Quality		
Federica Minozzi, CEO, Iris Group (Italy)		
Sergio Narváez, General Manager, Lamosa (Mexico) ,		
Alfredo Peña, CEO Graitman (Ecuador) ,		
Alejandro Navarro, CEO, Argenta (Spain)		
Moderator: Rick Church, Executive Director, CTDA (USA)		
Coffee break		
11:30-12:45	11:30	
FEATURED SESSION	Preferred Purchasing Sources for Refurbishment Professionals	
Technological & Innovation Leadership in the Ceramic Tile Industry	L. Callarisa ⁽¹⁾ , S. Veral ⁽²⁾ , M.A. Moliner ⁽¹⁾ , M. Lázaro ⁽²⁾ , R.M. Rodríguez ⁽¹⁾ , V. Lázaro ⁽²⁾ , J. Sánchez ⁽¹⁾ , J.C. Fandos ⁽¹⁾	
PAPERS DELIVERED BY:	(1) Grupo de Investigación Innovación en Marketing (IMK), UJI	
Fabio Tarozzi, CEO, Siti BT (Italy) Paper	(2) ITC-AICE - Universitat Jaume I.	
Martin Haberl, General Manager, Zschimmer & Schwarz (Germany) . Paper	Spain	
Rubén Mateu, General Manager Torrecid-Suzhou & Asian Market Area Manager, Torrecid (Spain) Paper		
	12:00	12:00
	DATAKER MERCADO: Online Platform for Analysing Opportunity Countries	Cold Weather Impact on Tile Systems
	V. Lázaro ⁽¹⁾ , S. Veral ⁽¹⁾ , M. Vinaroz ⁽¹⁾ , J. Corrales ⁽¹⁾	Tim Christopher
	(1) ITC- AICE - Universitat Jaume I.	Consultile Consulting
	Spain	Australia
12:45-14:00	12:30	12:30
FEATURED SESSION - PANEL DEBATE	Digitalisation of Ceramic Retail Outlets to Optimise Sales	Analysis of the Adhesive Strength of Façade Tiling Systems Exposed to Thermal Cycles on Varying the Arrangement of the Mortar Ribbons
Substitute Products and other Threats/Opportunities	S. Veral, V. Lázaro, M. Lázaro, J. Mira, J.I Cantero, M. Vinaroz, J. Molina, L. Ortiz, J. Corrales, A. Benavente, J. Montolio,	Rafaela Cardoso Constantino ⁽¹⁾ ; Leidy J. Jaramillo Nieves ⁽¹⁾ , Humberto Ramos Roman ⁽²⁾ , Elaine Guglielmi Pavei Antunes ⁽¹⁾
Eric Astrachan , Managing Director for the Tile Council of North America (USA),	ITC- AICE - Universitat Jaume I.	
Rick Church Executive Director CTDA – Ceramic Tile Distributors Association (USA),	Spain	

<p>Armando Cafiero, Managing Director Confindustria Ceramica (Italy) Alberto Echavarría, Secretary General of ASCER (Spain) Chaired by: Bart Bettiga – Executive Manager of the National Tile Contractors Association (USA).</p>	<p>13:00 Discrete-Event Simulation of Ceramic Tile Manufacturing for Generating its Digital Model G. Mallo⁽¹⁾, J. Boix⁽¹⁾, J.I. Cantero⁽¹⁾, M. Vinaroz⁽¹⁾, A. Olmedilla⁽¹⁾, J. M. Tiscar⁽¹⁾; S. Herrando⁽²⁾, P. Alcoriza⁽²⁾ ⁽¹⁾ ITC-AICE. Universitat Jaume I; ⁽²⁾ Nexus Integra. Spain</p>	<p>⁽¹⁾ Universidade do Extremo Sul Catarinense – UNESC; ⁽²⁾ Universidade Federal de Santa Catarina - UFSC- Brazil</p>
	<p>13:30 Modelling of Ceramic Tile Sintering by the SOVS Model J. Balaguer; J.M. Tiscar; A. Saburit; F. Quereda; M. Aguilera ITC - AICE - Universitat Jaume I. Spain</p>	<p>13:00 An Experimental Study of Tile Bond Behaviour over Structural Concrete Masonry Walls Medeiros, Jonas Silvestre; Mello, Murilo Blanco; Asamura, Renan Eiji Inovatec Consultores Associados, Brazil</p>
		<p>13:30 Are Tiling Failures in Swimming Pools Related to Delayed Concrete Drying Shrinkage? Colin Cass Techtile Consulting Pty. Ltd. Australia</p>
Lunch break		
<p>15:30 FEATURED SESSION. PANEL DEBATE Technological & Innovation Leadership in the Ceramic Tile Industry Fabio Tarozzi, CEO, Siti BT (Italy) Martin Haberl, General Manager, Zschimmer & Schwarz (Germany) Rubén Mateu, General Manager Torrecid-Suzhou & Asian Market Area Manager, Torrecid (Spain) Paper Chaired by : José Manrique, Vocal del Comité Técnico Internacional de Qualicer, Country Manager Ferro Spain, European Frit Business Manager.</p>	<p>15:30 Raw Material Flows in the European Ceramic Tile Industry. Case Study of Italy and Spain Michele Dondi¹, Mónica Vicent-Cabedo², Elisa Rambaldi³, Chiara Zanelli¹, Javier García-Ten² ¹CNR-ISTEC; ²ITC- AICE. Universitat Jaume I; ³Centro Ceramico, Italia ^(1,3), España ⁽²⁾</p>	<p>15:30 Comparative Study of Methods for Simulating Wear in Actual Service Conditions G. Silva⁽¹⁾, A. Muñoz⁽¹⁾, A. Beltrán⁽¹⁾, R. Domínguez⁽¹⁾, A.M. López⁽²⁾, M. Bañuls⁽²⁾ ⁽¹⁾ ITC-AICE. Universitat Jaume I; ⁽²⁾ LEROY MERLIN ESPAÑA, S.L. Spain</p>
	<p>16:00 Influence of the Phases Present in Clay-Based Wall and Floor Tiles on Ceramic Technical Properties Yudi Ramírez Calderón¹, Carlos Nieto Rangel² ¹Universidad Nacional de Colombia; ²Cerámica San Lorenzo Industrial de Colombia S.A, Colombia</p>	<p>16:00 15X15, Tile Industrial Revolution in Portugal Pedro Ferreira Faculdade de Arquitectura da Universidade de Lisboa Portugal</p>

<p>16:30</p> <p>Plastic-Based Material (PBM) Flooring—North American Research and Competitive Opportunities for Ceramic Tile</p> <p>Dr. Thava Thavarajah⁽¹⁾; Bill Griese⁽²⁾</p> <p>⁽¹⁾Director of Research, Tile Council of North America; ⁽²⁾Director of Standards Development, Tile Council of North America</p> <p>USA</p>	<p>16:30</p> <p>Phyllite as Feldspar Substitute in Porcelain Stoneware Tiles: Effect on Sintering Behavior and Phase Composition</p> <p>Chiara Zanelli¹, Sonia Conte¹, Fabio G. Melchiades², Suelen Nastro^{3,4}, Miguel Y. Hernandez-Sánchez^{3,4}, Anselmo O. Boschi^{3,4}, Michele Dondi¹</p> <p>¹CNR-ISTEC; ²Centro de Revestimentos Cerâmicos – CRC; ³Programa de Pós-Graduação em Ciência e Engenharia de Materiais – PPGCEM, Universidade Federal de São Carlos – UFSCar; ⁴LaRC, Departamento de Engenharia de Materiais – DEMa, Universidade Federal de São Carlos</p> <p>¹ Italy, ^{2,3,4} Brazil,</p>	<p>16:30</p> <p>Problems with water evacuation from large format tiles on wet area floors</p> <p>Christopher Repeti</p> <p>Techtile Consulting,</p> <p>Australia</p>
<p>17:00</p> <p>Globalisation: from Opportunity to Threat</p> <p>José Luis Quintela Cortes.</p> <p>Senior Industrial Engineer . IAG Ingenieros.</p> <p>Spain</p>	<p>17:00</p> <p>Mineralogical, Technological and Fluxing Characteristics of Granitic Igneous Rocks in Biga Peninsula (NW Turkey): Possible Uses as NA- and K-Feldspar Alternatives for Ceramic Tile Production</p> <p>Kağan Kayaci^a, Ş. Can Genç^{a,b}, Yıldız Yıldırım^a, Aykut Keskin^a</p> <p>^aKaleseramik Research-Development Center; ^bIstanbul Technical University, Dept. of Geological Engineering, Maslak,</p> <p>Turkey</p>	<p>17:00</p> <p>Analysis of the Slip Resistance of Ceramic Surfaces by Different Methods</p> <p>Aline Demarch ^a, Aline Ribeiro ^a, Angela Waterkemper ^a, Sergio Pereira Ruzza ^a, Adriano Michael Bernardin ^{b*}, Elidio Angioletto ^b</p> <p>^a Eliane S/A Revestimentos Cerâmicos; ^b Programa de Pós-Graduação em Ciência e Engenharia de Materiais, Universidade do Extremo Sul Catarinense,</p> <p>Brazil</p>
<p>17:30</p> <p>Comparative Study of Digitisation in the Spanish Ceramic Sector from a Marketing Perspective in the Period 2017–2019</p> <p>Callarisa Fiol L.J., Sanchez García J., Rodríguez Artola R.M., Moliner Tena M.A., Fandos Roig J.C.</p> <p>IMK Innovación en Marketing. Dep Administración de empresas y Marketing. UJI</p> <p>Spain</p>	<p>17:30</p> <p>Mexican Porcelain Large Format Gauged Tiles: Technology Vs Nature</p> <p>J.J. Ruiz-Valdés ^{(1)(2)*}, F. Lozano-Assad⁽¹⁾</p> <p>⁽¹⁾ <i>Universidad Autónoma de Nuevo León, Facultad de Ciencias Químicas, Laboratorio de Pruebas e Investigación en Cerámica TCNA-UANL.</i>; ⁽²⁾ <i>Tile Council of North America – (TCNA),</i></p> <p>Mexico</p>	<p>17:30</p> <p>Ceramics as a Tool for Urban Regeneration</p> <p>Cecilia Lázaro Moreno, Alejandro Moriana Fornás, Francisco Reina Díaz</p> <p>Spain</p>

18:00

The economic dimension of sustainability: new perspectives from a ceramic tile manufacturing context.

María Sonia Medina-Salgado⁽¹⁾, Anna Maria Ferrari⁽²⁾, Davide Settembre-Blundo⁽³⁾, Marco Cucchi⁽³⁾, Fernando E. García-Muiña⁽¹⁾

⁽¹⁾ Department of Business Administration (ADO), Applied Economics II and Fundamentals of Economic Analysis, Universidad Rey Juan Carlos,; ⁽²⁾ Department of Sciences and Methods for Engineering, Universidad de Módena y Reggio Emilia, ⁽³⁾ Gruppo Ceramiche Gresmalt,

⁽¹⁾ Spain, ^(2,3) Italy

18:00

Development of Sustainable Glass-Ceramic Materials with Optimum Mechanical Properties

D. Fraga, T. Stoyanova, J. Montoro, J. González, S. Porcar y J. Carda

Department of Inorganic and Organic Chemistry, Universitat Jaume I de Castelló,

Spain

Shuttle service to hotels

Tuesday 11th February, 2020

07:50 Shuttle service from the hotels to the congress venue

ROOM 1

ROOM 2

ROOM 4

8:30 - 9:30

FEATURED SESSION . PANEL DEBATE

Color Management

Javier Martí, Technical Director of LARGE, Color Solutions (Spain), Joaquín Luque, Product Manager Digit-S (Spain), Juan Martorell, CEO ColorInLab Color Consulting SL (Spain) Joe Tschudi, Advisor at Inèdit Software, S.L (Switzerland)

Chaired by: Sergio Cepriá, Digital Solutions Deputy Manager, Grupo Esmalglass-Itaca (Spain)

8:30

Study of an Optimized Tile Manufacturing Process from the Green Cutting of Big Ceramic Slabs

A. Gozzi⁽¹⁾; E. Tarasco⁽¹⁾; M. Aguilera⁽²⁾; J. Boix⁽²⁾; G. Mallol⁽²⁾; F. Quereda⁽²⁾

⁽¹⁾ System Ceramics SPA; ⁽²⁾ ITC-AICE. Universitat Jaume I.

⁽¹⁾ Italy - ⁽²⁾ Spain

9:00

Optimization of Chemical Tempering in Porcelain Tiles

Marcelo Dal Bó¹; Wenceslau Fernandes das Neves²; Bruna Nascimento de Souza²; Márcio Celso Fredel²; Dachamir Hotza²

¹Federal Institute of Santa Catarina (IFSC); ²Graduate Program in Materials Science and Engineering (PGMAT), Departments of Mechanical (EMC) and Chemical Engineering (EQA), Federal University of Santa Catarina (UFSC),

8:30 – INVITED PAPER

What resources enable engineered movement joint design?

Richard Bowman

Australia

9:00

Valorisation of Ceramic Waste by Use as Pozzolan in Portland Cement Mortars

Tomás Catalán, Ana Ester¹; Pitarch Roig, Ángel¹; Forcada Balaguer, Gloria²; Reig Cerdà, Lucía¹

¹Dep.of Mechanical Engineering and Construction - Universitat Jaume I; ²School of Technology and Experimental Science – Technical Architecture - Universitat Jaume I

	Brazil	Spain
<p>9:30</p> <p>Influence of some Process Variables on Shades in Inkjet-Decorated Tiles</p> <p>M.J. Vicente, F.J. García-Ten, M.C. Bordes, M.C. Segarra, J. González, M.R. Pérez</p> <p>ITC-AICE, Universitat Jaume I</p> <p>Spain</p>	<p>9:30</p> <p>Novel Micro-Granulates for Porcelain Stoneware Tiles: Preliminary Data on Powder Rheology and Compaction</p> <p>Roberto Soldati¹, Chiara Zanelli¹, Guia Guarini¹, Giuseppe Cavani², Lorenzo Battaglioli², Michele Dondi¹</p> <p>¹CNR-ISTEC; ²LB Officine Meccaniche S.p.A.,</p> <p>Italy</p>	<p>9:30</p> <p>LIFECERSUDS. Validation of the Permeable Ceramic Flooring System</p> <p>J. Mira ⁽¹⁾, J. Corrales ⁽¹⁾, I. Andrés ⁽²⁾, J. Castillo ⁽²⁾, M.F. Gazulla⁽¹⁾, F. Oliveira ⁽¹⁾, M. Orduña ⁽¹⁾, T. Ros ⁽¹⁾</p> <p>⁽¹⁾ITC -AICE. Universitat Jaume I; ⁽²⁾ Instituto Universitario de Investigación de Ingeniería del Agua y Medio Ambiente (IIAMA), UPV</p> <p>Spain</p>
<p>10:00</p> <p>Digital Ceramic Glazing with Low g/m² Laydown</p> <p>A. Torres⁽¹⁾, S. Romero⁽¹⁾, V. Sanz ⁽²⁾, A. Belda ⁽²⁾, A. Gozalbo ⁽²⁾</p> <p>⁽¹⁾System España; ⁽²⁾ ITC</p> <p>Spain</p>	<p>10:00</p> <p>Determination of apparent density of ceramic tiles using water: Validation of the method</p> <p>Aline Ribeiro⁽¹⁾, Aline Demarch⁽¹⁾, Angela Waterkemper⁽¹⁾, Sergio Pereira Ruzza⁽¹⁾, Adriano Michael Bernardin^{(2)*}</p> <p>⁽¹⁾ Eliane S/A Revestimentos Cerâmicos; ⁽²⁾ Programa de Pós-Graduação em Ciência e Engenharia de Materiais, Universidade do Extremo Sul Catarinense,</p> <p>Brazil</p>	<p>10:00 -11:00</p> <p>FEATURED SESSION</p> <p>Technical Information as an Investment in US Market Sales Growth</p> <p>Noah Chitty , Director of Technical Services Crossville Inc. & ISO TC 189 Chairman USA,</p> <p>Andrés Hernández, Expansion Director Grespania, Spain</p> <p>Bart Bettiga – Executive Manager National Tile Contractors Association USA</p> <p>Chaired by:</p> <p>Claudio Bizzaglia, Sales Engineering Director, Iris Group Italy</p>
<p>10:30</p> <p>Study of Frit Leaching in Aqueous Media</p> <p>O. Ruiz¹, Laura Brugada¹, F. Sanmiguel¹, A. Tamayo², J. Rubio², F. Rubio²</p> <p>¹. Grupo Torrecid; ²Instituto de Cerámica y Vidrio - CSIC</p> <p>Spain</p>	<p>10:30</p> <p>Can we Predict the Sintering Kinetics of Porcelain Stoneware? The Case of Glassy Waste-Based Bodies</p> <p>Sonia Conte, Chiara Zanelli, Chiara Molinari, Guia Guarini, Michele Dondi</p> <p>CNR-ISTEC,</p> <p>Italy</p>	
Coffee break		
<p>11:30</p> <p>Decorating Different Surfaces: a Case Study Analysis of Ceramic Tiles and Glass</p> <p>Ilaria Valenti*, Fabio Licopodio, Elisa Parmeggiani, Rita Cagnoli, Paolo Casarini</p> <p>Research and Development laboratory, System Ceramics S.p.A.,</p> <p>Italy</p>	<p>11:30</p> <p>Thermal Performances of Ceramic Glazes Containing Zircon</p> <p>E. Rambaldi¹, B. Mazzanti¹, K. Harlow², M.C. Bignozzi*^{1,3}</p> <p>¹Centro Ceramico, Bologna; ²Zircon Industry Association, Burnham, ³DICAM, Universidad de Bolonia</p> <p>^{1,3} Italy, ²UK</p>	<p>11:30 -12:30</p> <p>FEATURED SESSION -</p> <p>The Architectural Ceramic System Designer's Point of View</p> <p>Jonas Medeiros Technical Director Inovatec Consultores Associados (Brazil)</p>

<p>12:00</p> <p>Development of Cerium Oxide-Based Inkjet Inks with Lustre Effect</p> <p>J. Manrique⁽¹⁾, J. Usó⁽¹⁾, F. Ferrando⁽¹⁾, C. Rubert⁽¹⁾, F.J. García-Ten⁽²⁾, M.J. Vicente⁽²⁾, A. Moreno⁽²⁾, R. Pérez⁽²⁾</p> <p>⁽¹⁾Ferro Spain, S.A.; ⁽²⁾ITC-AICE, Universitat Jaume I.</p> <p>Spain</p>	<p>12:00</p> <p>Phase Change Materials Integrated into Glass Scrap-Based Tiles for Ventilated Façade Applications: A Laboratory Scale-Up Case Study</p> <p>Chiara Molinari, Chiara Zanelli, Guia Guarini, Michele Dondi</p> <p>CNR-ISTEC,</p> <p>Italy</p>	
<p>12:30</p> <p>Design of Inkjet Ink Formulation for Reducing VOCs and Odours in the Ceramic Tile Manufacturing Process (VITALIS)</p> <p>J. González⁽¹⁾, A.M. Molina⁽¹⁾, C. Moreda⁽¹⁾, MF. Gazulla⁽¹⁾, S. Gomar⁽¹⁾, I. Agut⁽¹⁾, M. Bietti⁽²⁾, S. Esposito⁽²⁾, M. Jareño⁽³⁾</p> <p>⁽¹⁾ ITC-AICE, Universitat Jaume I; ⁽²⁾ Lamberti S.p.A.; ⁽³⁾Lamberti Iberia</p> <p>^(1,3) Spain, ⁽²⁾ Italy</p>	<p>12:30</p> <p>Evaluation of Tactile Sensation of Glazed Surfaces</p> <p>J. Monterde⁽¹⁾, S. Miralles⁽¹⁾, J.V. Carceller⁽¹⁾, M.C. Bordes⁽²⁾, A. Muñoz⁽²⁾, F.J. García-Ten⁽²⁾</p> <p>⁽¹⁾Colorobbia España; ⁽²⁾ ITC - AICE, Universitat Jaume I.</p> <p>Spain</p>	<p>12:30</p> <p>Critical Points of Tile Design and Installation</p> <p>Scott Conwell, FAIA, FCSI, CDT, LEED AP</p> <p>International Masonry Institute,</p> <p>USA</p>
<p>13:00</p> <p>Increased “Green Value” of Glazed Porcelain Stoneware Tiles through the Eco-Design of Raw Materials</p> <p>L. Volpi⁽¹⁾, A. M. Ferrari⁽¹⁾, D. Settembre-Blundo⁽²⁾, F.E. García-Muiña⁽³⁾, M. Lassinantti-Gualtieri⁽⁴⁾, C. Siligardi⁽⁴⁾</p> <p>⁽¹⁾Dept of Sciences and Methods for Engineering, University of Modena and Reggio Emilia; ⁽²⁾Gruppo Ceramiche Gresmalt; ⁽³⁾Dep of Business Administration (ADO), Applied Economics II and Fundaments of Economic Analysis, Rey-Juan-Carlos University; ⁽⁴⁾ Dep of Engineering “Enzo Ferrari”, University of Modena and Reggio Emilia</p> <p>^(1,2,4) Italy, ⁽³⁾ Spain</p>	<p>13:00</p> <p>Ceramic Tile Solar Reflectance Index. Influence of some Variables</p> <p>A. Sánchez⁽¹⁾; C. Blanco⁽¹⁾; A. Belda⁽²⁾; A. Gozalbo⁽²⁾; M.J. Orts⁽²⁾</p> <p>⁽¹⁾ FRITTA, S.L.U.; ⁽²⁾ ITC. Universitat Jaume I</p> <p>Spain</p>	<p>13:00</p> <p>Modular Construction and the Future of Ceramic Tiles in Building</p> <p>Medeiros, Jonas Silvestre⁽¹⁾; Da Cruz, Renata Satie⁽²⁾</p> <p>⁽¹⁾Inovatec Consultores Associados, ⁽²⁾Faculdade de Arquitetura da Universidade de São Paulo,</p> <p>Brazil</p>

<p>13:30</p> <p>From Raw Materials to End Products: Sustainability in Italian Ceramic Tile Production</p> <p>G.Bonvicini¹, R. Resca¹, M.C. Bignozzi^{1,2}</p> <p>¹ Centro Ceramico, Bolonia; ² DICAM, Universidad de Bolonia,</p> <p>Italy</p>	<p>13:30</p> <p>Alternative Blue Pigments with High NIR Reflectance To Cobalt Blue</p> <p>S. Cerro¹, A. Monrós², M. Llusar¹, V. Esteve¹, G. Monrós¹,</p> <p>¹Dept. of Inorganic and Organic Chemistry, Universidad Jaume I, ²Solar Pigment SL, Espaitec, Universidad Jaume I,</p> <p>Spain</p>	<p>13:30 - 84 B</p> <p>Use of External Thermal Insulation Systems with a Ceramic Finish in New Buildings. Case Study: The Sant Joan de Moró Funeral Parlour</p> <p>Pitarch Roig, Ángel M.¹; Sáez Riquelme Beatriz²; Pitarch Roig, Maria³</p> <p>¹Dept Ingeniería Mecánica y Construcción- UJI; ²Dept de Ingeniería de Sistemas Industriales y Diseño UJI; ³ Arquitecta</p> <p>Spain</p>
Lunch Break		
ROOM 1	ROOM 2	ROOM 4
<p>15:30</p> <p>Open Innovation Models in the Ceramic Cluster. Evolution and Future Trends</p> <p><i>P. Corma Canós⁽¹⁾; P. Corma Buforn⁽²⁾</i></p> <p><i>⁽¹⁾QPT S.L.; ⁽²⁾Endeka Ceramics⁽²⁾</i></p> <p>Spain</p>	<p>15:30</p> <p>Project: DREAM – Acid Emissions Cleaning in Ceramic Tile Kilns</p> <p>I. Celades⁽¹⁾, S. Gomar⁽¹⁾, F. Romero⁽¹⁾, I. Agut⁽¹⁾, E. Monfort⁽¹⁾, L. Guaita⁽²⁾, G. Frignani⁽³⁾, N. Raule⁽⁴⁾</p> <p>⁽¹⁾ ITC-AICE.Universitat Jaume I; ⁽²⁾ Keraben Grupo S.A.; ⁽³⁾ Sacmi Forni S.p.A.; ⁽⁴⁾ Centro di Ricerca e Innovazione Tecnologica S.R.L. (CRIT).</p> <p>(1, 2) Spain, (3, 4) Italy</p>	<p>15:30 - 12 B</p> <p>Adaptation of the SOLCONCER Tool to Refurbishment</p> <p>A. Beltrán⁽¹⁾, I. Celades⁽¹⁾, J. Corrales⁽¹⁾, J. Mira⁽¹⁾, A. Muñoz⁽¹⁾, T. Ros⁽¹⁾, L. Vilalta⁽¹⁾, V. Agost⁽²⁾</p> <p>⁽¹⁾ITC-AICE - Universitat Jaume I; ⁽²⁾SIGO Información y Gestión S.L.</p> <p>Spain</p>
<p>16:00 - 17:00</p> <p>FEATURED SESION</p> <p>The roadmap to Industry 4.0. ASEBEC Guide 4.0</p> <p>Juan Ignacio Cantero Ramis Área for Industrial Processes. ITC-AICE, Universitat Jaume I, Spain</p> <p>Alessandro Cocquio, Technical Director of Business Unit Tiles Sacmi Group, Italy</p> <p>Rafa Vicent Technical Director of Kerajet, Spain</p> <p>Ramón Debón COO Colorker , Spain</p> <p>Máximo Dolz Technical Director of Grespania Spain</p> <p>Cristian Mattioli Engineering Manager System Ceramics SPA, Italy</p> <p>Chaired by: Juan Vicente Bono President of ASEBEC, Spain</p>	<p>16:00</p> <p>Effectiveness of Using Screens to Reduce PM10 Emissions in Port Areas</p> <p>J.M. Tiscar⁽¹⁾, V. Sanfélix⁽¹⁾, E. Monfort⁽¹⁾, C. Giner⁽¹⁾, I. Celades⁽¹⁾, M.J. Rubio⁽²⁾, I. López⁽²⁾</p> <p>⁽¹⁾ ITC-AICE, Universitat Jaume I ; ⁽²⁾ Autoridad Portuaria de Castellón,</p> <p>Spain</p>	<p>16:00</p> <p>Ceramic Evaporative Cooling Integrated into the Ventilated Façade</p> <p>⁽¹⁾S. Melero Tur, ⁽²⁾C. Segarra Ferrando, ⁽¹⁾F. J. Neila González, ⁽¹⁾A. García Santos</p> <p>⁽¹⁾Dpto de Construcción y Tecnología Arquitectónicas de la Universidad Politécnica de Madrid; ⁽²⁾ ITC- AICE Universitat Jaume I,</p> <p>Spain</p>
	<p>16:30</p> <p>Real-Time Control of Organic Matter Content in Industrial Wastewater</p> <p>M.F. Gazulla, M.J. Ventura, M. Rodrigo, M. Orduña, C. Andreu</p>	

17:00

CLOSING LECTURE & CLOSING CEREMONY

ITC's Contribution to Innovation in the Ceramic Industry

Dr. Agustín Escardino
Emeritus Professor of Chemical Engineering
(Universitat Jaume I)
Honorary Life Director of Instituto de Tecnología
Cerámica (ITC) Spain

18:30 - 19:30

VINO ESPAÑOL

ITC 50 YEARS AND QUALICER 30 YEARS AWARDS

Shuttle Service

POSTERS – THE FOLLOWING POSTERS WILL BE EXHIBITED AT THE CONGRESS VENUE

Analysis of the Influence of Using New Technologies on the Perception of a Porcelain Product

Agost, Maria Jesus

Department of Mechanical Engineering and Construction, Universitat Jaume I. Castellon

Spain

Quality Management and Coordination Model for the Civil Construction Supply Chain Focused on Brazilian Ceramic tile Manufacturers

Marcelo Dias Caridade⁽¹⁾, Ana Paula M. Menegazzo⁽²⁾,

⁽¹⁾ Production Engineering Department /UFSCar; ⁽²⁾ Ceramic Center of Brazil – CCB –

Brazil

Strategy towards a Circular Economy in Ports of the Valencia Region

M. Vicent⁽¹⁾, S. Gomar⁽¹⁾, I. Celades⁽¹⁾, M.A. Artacho⁽²⁾, B. Pacheco⁽²⁾, V. Cloquell⁽²⁾

⁽¹⁾ Instituto de Tecnología Cerámica (ITC). Asociación de Investigación de las Industrias Cerámicas (AICE). Universitat Jaume I (UJI). ⁽²⁾ Departamento de Proyectos de Ingeniería (DPI). Universitat Politècnica de València (UPV).

Spain

Environmental Development of the Ceramic Tile Manufacturing Sector in the Period 1992–2017

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Comparative Study of Slip Resistance Measurement in Spain, the United Kingdom, and the USA

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Evaluation of Multilayer Systems for Ceramic Floorings

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Shear Strength of Adhesives for Ceramic Materials

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Implementation of 3D Additive Printing Technologies for Promoting and Restoring the Valencian Heritage

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Research into the Characteristics of Well-Performing Surfaces in Current Methods for Evaluating Slip Resistance

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Partial Replacement of Zircon by Waste Kiln Rollers

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Influence of Particle Size Reduction on the Microstructure and Characteristics of some Glazes

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Influence of Particle Size Reduction on Frit Reactivity with the Dispersant Medium

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Characterisation of Praseodymium Oxides Used in Ceramic Pigment Synthesis

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In-situ Kaolinitic Raw Materials within the Quartz-Sericite / Muscovite Schists of Doğanhisar (Konya, Central Turkey): its Mineralogic and Technological Characteristics with the Possible Use in Ceramic Tile Industry

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Towards a Low-Carbon Economy: Development of Non-Fired Ceramic Materials

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New Compositions for a Low-Carbon Ceramic Industry

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Development of a New System for Ceramic Waste Recycling

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Glaze Coupling in Porcelain Tiles: Effects of the Nature of the Glazes on the Tensions Developed during Firing

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Evolution of the Pyroplastic Deformation of Porcelain Tiles during Firing

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Strategies for a Low-Carbon Ceramic Industry. Dry Granulation

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VOC Emissions in Thermal Processes

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Migratech 4.0 – Managing Granule Stiffness during Granulation

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Cuprorivaite Blue Pigments with High NIR Reflectance Obtained by Colloidal Methods

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Addition of Dolomite to the Ceramic Tile Composition Processed by Dry Grinding and its Effect on Moisture Expansion

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Characterisation of Ceramic Frit-Based Inkjet Inks by Optical Rheometry at High Shear Rates

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Dry Industrial Technology for Reducing Quartz Toxicity

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Technological Adaptation of The Ceramic Industry to the 2050 Low-Carbon Horizon

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Development of Opaque Frits in the Spinel System

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Use of Residue from the Emerald Exploitation of Serra da Carnaíba - BA in the Production of Glazed Ceramic Tiles

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Sustainable Additives for Ceramics

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Use of Kaolin and Beige Bahia Marble Residue in the Production of Ceramic Tiles

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Eco-Efficient Electrical Processing in Energy-Intensive Industry with High-Temperature Microwave Kilns: the DESTINY Project

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Viscous Flow Sintering of Porcelain Tile: Behaviour Predicted by the Fluegel Model

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Method of Measuring Dimensional Characteristics of Ceramic Tiles: Three-Dimensional Arm versus Dataplucometer - Part 01

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Study of the Need to Define the Tile Cut in Measuring Moisture Expansion According to ISO 10545-10

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Analysis of Moisture Expansion Measuring Systems Available in ISO 10545-10

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Proposal of a Test Method for Determining Water Stain Resistance in the Back of the Ceramic Tile

Ana Paula M. Menegazzo⁽¹⁾, Ronaldo M. Cesário⁽¹⁾, Marcos M. Christofolletti⁽¹⁾, Angela W. Vieira⁽²⁾, Aline Demarch⁽²⁾, Aline Ribeiro⁽²⁾

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Characterization of Ceramic Sludge and Recycling in Ceramic Tile Production

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Strategic Actions to Improve Efficiency in Ceramic Tile Rectification Processes

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Strategy for Clay Mineral Characterisation

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LIGHTCOCE. Building an Ecosystem for Scaling up Lightweight Multi-Functional Concrete and Ceramic Materials

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Use of Mairí Granite Residue for the Development of Ceramic Compositions to Obtain Ceramic Blocks

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