



ACIMAC

Association of Italian Manufacturers of  
Machinery and Equipment for Ceramics



# TECHNICAL FOCUS ON CERAMIC TILES

International training workshop on the latest  
development in ceramic technology and techniques

**22-23-24 SEPTEMBER 2014**



**TECNARGILLA 2014**

IN COOPERATION WITH:



società  
ceramica  
italiana



Rimini**Fiera**  
business space





# FOCUS ON CERAMIC TILES

## INTERNATIONAL TRAINING WORKSHOP ON THE LATEST DEVELOPMENT IN CERAMIC TECHNOLOGY AND TECHNIQUES

- Energy efficiency in the ceramic production process  
*Monday 22 September 2014, 2-5 p.m.*
- Digital glazing and decoration  
*Tuesday 23 September 2014, 12.30 a.m. - 6 p.m.*
- Ceramic panels and large-format tiles  
*Wednesday 23 September 2014, 10 a.m. - 1 p.m.*
- International technical standards for tiles  
*Wednesday 24 September 2014, 2 - 5 p.m.*

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ACIMAC has long been organising technical training events aimed at ceramic professionals, with a special focus on technological innovations in the industry.

ACIMAC, in cooperation with Italian Ceramic Society - I.Cer.S., is organising **during Tecnargilla 2014** a series of international technical workshops where industry professionals and experts can explore the most topical technical issues relating to the ceramic production process.

■ **Key target groups:**

- Technical personnel (production, laboratory, R&D, etc.) at ceramic companies
- Technical personnel at ceramic plant and machinery companies
- Technical personnel at ceramic design firms, ceramic colour and glaze producers, ceramic raw materials suppliers, etc.
- Industry experts and professionals

■ **Workshop venue:**

 **TECNARGILLA 2014** at Rimini Exhibition Centre

■ **Scientific Coordinator of the Training project:** Eng. Paolo Zannini

University of Modena and Reggio Emilia and Italian Ceramic Society - I.Cer.S. President



IN COOPERATION WITH:





# FOCUS ON CERAMIC TILES PLANNING TECNARGILLA 2014

## 1. WORKSHOP

(Cod. W001)



### EFFICIENCY AND ENERGY AUDITING IN THE CERAMIC PRODUCTION PROCESS: CONCRETE EXAMPLES AND CASE STUDIES

Monday 22 September 2014, 2-5 p.m. Sala Ravezzi / Rimini Exhibition Center

■ Lecturer: Guido Nasseti - Centro Ceramico di Bologna

#### • TOPICS:

Actions aimed at **energy saving and rational use of energy**: machine settings, recovering heat losses, criteria for developing thermal machines with greater energy efficiency, solutions for reducing electrical energy consumption. **Energy technologies in the ceramic production process**. Relationship between energy consumption and operating and management parameters in the production process. Energy auditing of the production

plant. Techniques for measuring energy consumption.

#### • ORGANISATIONAL NOTES:

- » The workshop will be held entirely in English.
- » The workshop will have a limited number of participants (maximum 40) to enable the technical issues presented by the participants to be discussed adequately.
- » A registration fee will be charged (see *conditions*). ■

## 2. SYMPOSIUM

Register at [www.tecnargilla.it](http://www.tecnargilla.it)



### DIGITAL DECORATION AND GLAZING

Tuesday 23 September 2014, 12,30 a.m. - 6 p.m. Sala Neri / Rimini Exhibition Center

■ Moderated by: Prof. Paolo Zannini - Chairman of the Italian Ceramic Society - I.Cer.S

#### • TOPICS:

The 6th annual Acimac meeting devoted to **digital glazing and decoration of ceramic tiles** will be back at Tecnargilla on 23 September 2014. Moderated by the Chairman of the Italian Ceramic Society, Prof. Paolo Zannini, the workshop will offer a **comprehensive overview of the latest innovations in the sector, particularly in the ground-breaking field of digital glazing**, and will discuss possible future developments stemming from current research. Given its breadth and variety, the

Symposium will be a unique opportunity for international ceramic professionals and experts to discover the latest technical developments in the industry.

#### • ORGANISATIONAL NOTES:

- » The Symposium will be held in Italian with simultaneous translation into English.
- » Participation in the Symposium is free of charge.
- » To register, use the form available on the Tecnargilla website ([www.tecnargilla.it](http://www.tecnargilla.it)) ■



# FOCUS ON CERAMIC TILES PLANNING TECNARGILLA 2014

## 3. WORKSHOP

(Cod. W002)



### CERAMIC PANELS AND LARGE-FORMAT TILES: PROBLEMS AND SOLUTIONS IN THE CHOICE OF RAW MATERIALS AND IN THE GRINDING, PRESSING AND FIRING STAGES

Wednesday 24 September 2014, 10 a.m. - 1 p.m. Sala Ravezzi / Rimini Exhibition Center

■ Lecturer: *Mariano Paganelli, Chairman of Expert Lab Service - ceramic sector expert*

#### • TOPICS:

- **Raw materials** for the production of large-format ceramic tiles: composition, structural characteristics, behaviour during firing;
- **Formulation of ceramic bodies** for large-format tiles;
- **Behaviour of materials** during the critical phases of the production process: pressing, drying, glazing and firing;
- **Essential techniques for analysis and quality control** during production and on

finished products.

#### • ORGANISATIONAL NOTES:

- » The workshop will be held entirely in English.
- » The workshop will have a limited number of participants (maximum 40) to enable the technical issues presented by the participants to be discussed adequately.
- » A registration fee will be charged (see *conditions*). ■

## 4. WORKSHOP

(Cod. W003)



### INTERNATIONAL TECHNICAL STANDARDS FOR TILES: UP-TO-DATE INTERNATIONAL PICTURE, THE LATEST NEWS

Wednesday 24 September 2014, 2 - 5 p.m. Sala Ravezzi / Rimini Exhibition Center

■ Lecturer: *Alessandro Tenaglia, Convenor ISO/TC 189 WG1 "Ceramic tiles*

*Standardization -Test methods", Expert in intl. technical standards for ceramic tiles*

#### • TOPICS:

- **Standards for ceramic tiles** (Classification, test methods, etc.): the current situation, recent developments;
- **CE marking for the sale of ceramic tiles in Europe:** reference standards, obligations, required documentation;
- Standards and certifications required to sell tiles in **specific markets:** USA, China, Saudi Arabia, etc.;
- **Other technical standards of interest:** recent developments

- **Product certifications:** existing certifications, how they work.

#### • ORGANISATIONAL NOTES:

- » The workshop will be held entirely in English.
- » The workshop will have a limited number of participants (maximum 40) to enable the technical issues presented by the participants to be discussed adequately.
- » A registration fee will be charged (see *conditions*). ■

# FOCUS ON CERAMIC TILES HOW TO PARTICIPATE

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The participation in the  
**SYMPOSIUM ON DIGITAL DECORATION AND GLAZING** *is free.*  
To register, use the form available on the Tecnargilla website  
([www.tecnargilla.it](http://www.tecnargilla.it)).

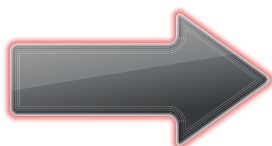
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## THE FEES TO TAKE PART IN THE WORKSHOPS ARE THE FOLLOWING:

- 1 workshop = euro 100,00
- 2 workshops = euro 180,00
- 3 workshops = euro 250,00

The participation fees include copy of the training material provided by the teachers lecturers, as well as a participation certificate specifically issued by Acimac for the event.

For company participations (*more than 10 participants of the same company*) personalized fees will be provided.



**CLICK HERE TO REGISTER  
OR GO TO:**

<http://www.s-b-s.it/en/news/highlight-4/internationalworkshop-49.php>



## INFORMATION AND HOW TO REGISTER:

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