



PROGRAMME

of events

Rimini Expo Centre - Italy
27 - 30 SEPTEMBER 2022

tecnaexpo.com

ORGANISED BY
**ITALIAN
EXHIBITION
GROUP**
Providing the future

IN COLLABORATION WITH
 **ACIMAC**
Association of Italian Manufacturers of
Machinery and Equipment for Ceramics



WITH THE SUPPORT OF



ITA®
ITALIAN TRADE AGENCY

IN COLLABORATION WITH



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA



TUESDAY 27 SEPTEMBER

10.00 – 10.20 FUTURE ARENA- Pad.D5

Talk by BI-REX

"THE ROLE OF COMPETENCE CENTERS WITHIN THE ITALIAN INNOVATION ECOSYSTEM WITH BI-REX PRESENTATION AND EUROPEAN DIGITAL INNOVATION HUB"

Speaker: **Danilo Mascolo, Business and Innovation Development Manager BI-REX**

10.20 – 10.40 FUTURE ARENA- Pad.D5

Talk by BI-REX

"SECURITY & BLOCKCHAIN, USE CASES AND BEST PRACTICES: THE SS4SP PROJECT"

Speaker: **Francesca Merighi, Cybersecurity officer Sacmi**

10.40 – 11.00 FUTURE ARENA- Pad.D5

Talk by BI-REX

"PRESENTATION OF ACCELERATED STARTUPS IN GELLIFY AND RELATED USE CASES"

Speaker: **Mattia Bertasa, Delivery Manager Gellify**

11.00 – 11.20 FUTURE ARENA- Hall D5

Talk by FRIULDEV S.r.l

"PRODLOGGER®, AUTOMATED PRODUCTION TRACKING SYSTEM BASED ON PATENTED TECHNOLOGY"

ProdLogger® is an all-in-one system for tracking automated production, suitable for SMEs that develop single pieces using CNC machines (moulds, individual orders, prototypes). The technology is patented and allows for data to be collected from the tooling machines, then processed and displayed in a web dashboard. With ProdLogger®, companies can automatically cost their production.

For production plants, FRIULDEV SRL develops custom MES systems optimised for the specific production line and that can manage external data and additional sensors, focussing on machine feedback and optimising function. More specifically, experience has been accrued in the development of slabs (marble, insulating materials for construction) and packaging (food).

Speaker: **Marco Spagnol, PhD - Founder of Friuldev srl**

11.20 – 11.40 FUTURE ARENA- Hall D5

Talk by PIKKART S.r.l

"AUGMENTED REALITY AND ARTIFICIAL INTELLIGENCE FOR INDUSTRY 4.0"

Pikkart-AR Industry 4.0 is software assisting the operator in quality control and training procedures through image recognition and an augmented reality interface. The software uses artificial vision algorithms to recognise the object of interest and connects to the company information system to show information that is useful to the operator. An AR interface reports the data in the simplest, clearest manner for the operator, so as to facilitate his work, reducing time and increasing the reliability and scalability of guided processes.

The operator can use smartglasses, tablets or a station equipped with a display to interact with the system.

The solution assists the operator with piece control, showing in augmented reality the checks to be performed, the tools to be used, the sequence of actions necessary to complete the task and the data obtained from IoT sensors. By recognising the piece, perfect visual alignment is assured between it and the virtual contents. The solution can also be used during the defect reporting, simplifying interaction with the piece to be controlled. Through augmented reality, the presence can also be simulated of a mechanical piece in front of you (training, prototyping), for example to display reports, statistics or prepare presentations.

Speaker: **Emanuele Avolio, Head of Business & Product Manager at Pikkart S.r.l**

11.40 – 12.00 FUTURE ARENA- Hall D5

Talk by BEECOMS S.r.l

"WE LOCALISE YOUR ASSET TO MAKE THE PRODUCTION PROCESSES EFFICIENT AND SAVE TIME"

Programme:

About us (30" presentation video);

The technology: how indoor localisation works;

How BeeComs fits into corporate information systems;

The 3 areas of intervention:

- Analysis: we make logistics flows tangible;
 - Production: we localise assets striving for no lost time;
 - Security: indoor geolocalisation allows us to increase security at production sites;
- Solutions: table reports, heat maps, spaghetti charts, asset research (equipment and orders).

Speaker: **Mattia Maimura, CEO of BeeComs**



15.00 – 17.00 FUTURE ARENA- Hall D5

OPENING CONGRESS

by ACIMAC (Association of Italian Manufacturers of Machinery and Equipment for Ceramics) and IEG (Italian Exhibition Group)

“HOW TO MAKE THE FUTURE: VISIONS AND CHALLENGES”

Simultaneous Italian-English interpreting will be provided

Greetings by Corrado Peraboni, AD IEG, Italian Exhibition Group and

Paolo Lamberti, Chairman of Acimac, Association of Italian Manufacturers of Machinery and Equipment for Ceramics

Tecna 2022 will dedicate the opening event to the future of the industry, seeking to offer visions and prospects for the future growth of the segment, both in technological terms and as regards international policy. The “How to make the future: visions and challenges” congress will involve some of the world’s most important producers of ceramic surfaces, called to present their visions of the business in a rapidly-changing world.

17.00 – 18.00 FUTURE ARENA-Hall D5

“TECNAWARDS”

by ACIMAC (Association of Italian Manufacturers of Machinery and Equipment for Ceramics) and IEG (Italian Exhibition Group)

in collaboration with the magazine CERAMIC WORLD REVIEW

With the establishment of the TecnaAwards, TECNA rewards the best technological investments made by international customers in the period 2020-22 and stresses its role as bridge between the world of supplies and ceramic tile manufacture.

There are nine categories at the 2022 TecnaAwards



WEDNESDAY 28 SEPTEMBER

09.30 – 12.30 FUTURE ARENA-Pad.D5

“SUSTAINABILITY IN CERAMICS”

by ACIMAC (Association of Italian Manufacturers of Machinery and Equipment for Ceramics) and IEG (Italian Exhibition Group) in collaboration with the magazine CERAMIC WORLD REVIEW.

Main sponsor: ENEL GREEN POWER

Simultaneous Italian-English interpreting will be provided

The congress investigates various aspects linked to the topics of the ecological transition in the ceramic industry.

Programme

9:30-9:45 Welcome Greetings

Session: **“New frontiers of hydrogen: challenges and opportunities in Europe”**

Moderator: Francesco Bottino, Director of Hydronews

9:45-10:00 Potential and development of hydrogen in hard to abate segment

Claudia Bassano, Researcher PhD Ing. Chimica, ENEA (Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile)

10:00-10:15 How to decarbonise the ceramic tile industry with green hydrogen: the role of Enel Green Power

Lorenzo Ducci, Hydrogen Business Unit - Enel Green Power

10:15-10:30 Hydrogen and technologies for the sustainability of ceramic processes

Claudio Ricci, Sacmi

10:30-10:45 'Innovative solutions for the use of hydrogen in ceramics'

Giovanni Santilli, SITI B&T

10:45 Question time - Session: Circular economy and energy efficiency

Moderator: Paola Giacomini, Tile Edizioni

11:00-11:15 Sustainable thresholds for new system Ceramics technologies

Andrea Tortai, System Ceramics

11:15-11:30 Recovery of waste and sludge

Marcello Fontanini, Sermat, LB Group

11:30-11:45 From heat recovery to cogeneration: the new Poppi Clementino

Roberto Secchi, Poppi

11:45-12:00 Technologies for the reduction of energy costs and emissions in ceramic tile production - Evangelos Schoinàs, Cami Depurazioni

12:00-12:15 Photovoltaic systems in the ceramic industry: Methods and models

Marco Bertuzzi, Protesa or Sacmi forni & filters

12:15-12:30 Energy Communities: latest updates and business opportunities for the Ceramics Sector - Francesco Trapanante, Global Key Account Manager (Enel X Italy)

12:30-12:45 Question time and conclusions

14.00 – 17.00 MIMOSA HALL- Hall B6 - D6

“DECORTECH CONFERENCE”

in collaboration with TCM (Technical Conference Management)

The congress will present the latest innovations in the area of technologies for the design of latest generation non-ceramic surfaces

Moderator: Kurt Fischer, Managing Director, Technical Conference Management KG
Programme:

14:00-14:30 UNILIN TECHNOLOGIES

Easy to install decorative alternatives for ceramics

Louis Van Roy, Business Development Manager IP at Unilin Technologies

14:30-15:00 METIS

Latest advancement in material scanning technology

Massimo Colagrande, Metis R&D Manager

15:00-15:30 EFI

Industrial inkjet technology for building materials: an opportunity for business transformation

Fernando Tomàs, Global Product Director, Inkjet Packaging & Building Materials at EFI

15:30-16:00 RICOH

Extending decorative opportunities

Changlong Sun, Inkjet Strategic Business Development Manager at Ricoh Europe

16:00-16:30 CEFLA – BUSINESS UNIT FINISHING

Industrial digital printing solutions. Prepare, Print, Finish - supporting you along the entire process.

Luigi Franzoni, Market Development Manager Cefla sc - Business Unit Finishing

14.00 – 14.20 FUTURE ARENA- Hall D5

Talk by TOD System S.r.l

“TOD SYSTEM, COLLABORATIVE ROBOTICS”

We are an innovative start-up that develops technological solutions for logistics, using collaborative robotics. The constant growth of the logistics market, due to a large extent to the boom of e-commerce, is experiencing great difficulty in finding manpower. Today, warehouse logistics requires an increasing number of operations to manage to keep up with the number of orders to be processed. The management and processing of the order is the physically most demanding part of the warehouse.

Speaker: **Danilo Piccolo, TOD System S.r.l**

14.20 – 14.40 FUTURE ARENA- Hall D5

Talk by STOORMS S.r.l

“EDGE SDN, CYBER SECURITY OF THE IOT INDUSTRIAL NETWORKS”

Edge SDN is a telecommunications network designed specifically to make the Industrial

factory network safe according to international standards governing cyber security ISA/IEC 62443 and NIST 800-82. The network (European patent granted) extends the capacity of the Software Defined Network (SDN), adding communication semantics, thereby allowing the industrial assets to communicate with a predefined level of security. All the traffic in the Edge SDN network is segregated and therefore there is no danger of escalation of threats; the threat identification system completes protection, guaranteeing business continuity even in the presence of an issue. The Edge SDN network can also interact with the modern 5G networks, effectively developing an application for mobile networks with factory network security and control functions.

Speaker: **Aldo Campi, Chief Executive Officer at Stoom5**

14.40 – 15.00 FUTURE ARENA- Hall D5

Talk by THINKIN S.r.l

"ASSET TRACKING FOR THE DIGITISATION AND OPTIMISATION OF A MANUFACTURING PROCESS"

Starting with the localisation and tracking of resources (such as pallets, forklift trucks, materials and semi-finished products or others), a digital representation (or "digital twin") can be created of a manufacturing process, which thus becomes measurable in real time. Artificial intelligence tools and an analysis of the production process enable to identify delays, deviations and areas whose efficiency could be enhanced, taking a lean manufacturing and continuous improvement approach. In this presentation, we will be showing the necessary steps to introduce asset tracking tools into a manufacturing process and we will describe how these technologies have yielded important results in terms of savings of resources and increased production volumes with some success stories.

Speaker: **Iacopo Carreras, Founder and CEO at ThinkIN**

15.00 – 15.20 FUTURE ARENA- Hall D5

Talk by IT'S PRODIGY S.r.l

"DATAPRODIGY"

It's Prodigy is an innovative Italian start-up founded in 2017 with offices in Italy, the US, the United Arab Emirates, Australia and Luxembourg, specialised in Big Data, AI and various segments, including: insurance, fintech, telco, public administration and consulting. One of our real jewels is DataProdigy, a customisable, versatile platform for analysis and the creation of end-to-end reports with business intelligence functions intended for managers, supporting them in the rapid generation of business intelligence reports, without using BI Excel files. Thanks to a big data engine and artificial intelligence, DataProdigy can use human language: it transforms each question into a report call and immediately creates a new corporate report. With DataProdigy, wasted time is avoided along with additional costs and the entire report approval process is covered; it can also connect up to all the company platforms (SalesForce, Sap, Google Cloud, Oracle, AWS, etc.) and generate user-friendly reports quickly. As it is a multilingual system, it can be used in various different countries.

Speaker: **Sano Musab Hijazi, founder di It's Prodigy**

15.20 – 15.40 FUTURE ARENA- Pad.D5

By: UNIMORE (University of Modena e Reggio Emilia)

"THE ITALIAN CERAMIC DISTRICT: THE WORLD'S LEADING MANUFACTURER OF HYDROGEN TECHNOLOGY?"

Speaker: **Marcello Romagnoli, Full Professor. Director of Research Centre H2, MO.RE, UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA - UNIMORE, Dipartimento di Ingegneria "Enzo Ferrari"**

15.40 – 16.00 FUTURE ARENA- Pad.D5

By: UNIMORE (University of Modena e Reggio Emilia)

"COOL MATERIALS: STRATEGIES FOR REDUCING HEAT ISLAND EFFECT"

Speaker: **Cristina Siligardi, PhD Full professor of Materials Science and Technology UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA - UNIMORE, Dipartimento di Ingegneria "Enzo Ferrari"**

16.00-17.30 FUTURE ARENA- Hall D5

"18th INTERNATIONAL ALDO VILLA PRIZE" by ICERS (Società Ceramica Italiana)

The award has been awarded since 1988 by Società Ceramica Italiana to an Italian or foreign personality (entrepreneur, manager, technician or researcher) who has contributed to the development of the ceramic industry.



THURSDAY 29 SEPTEMBER

10.30 – 12.30 FUTURE ARENA- Hall D5

FORUM AFRICA by ACIMAC (Association of Italian Manufacturers of Machinery and Equipment for Ceramics) and IEG (Italian Exhibition Group)

"CORPORATE WORKSHOPS OF BUYERS FROM WEST AFRICA"

The event is divided up into two sessions.

The first part will cover more introductory economic, financial, social and regulatory topics relative to the African market and will conclude with a focus on the local ceramic market.

The second part will involve various West African ceramic tile company representatives.

Next a Light lunch networking

14.00 – 14.20 FUTURE ARENA- Pad. D5

Talk by UNIMORE (University of Modena E Reggio Emilia)

"PROCEDURES AND METHODOLOGIES FOR PREDICTING THE USE OF RECYCLED MATERIALS IN CERAMIC"

Speaker: **Prof. Paolo Pozzi, Professor of Science and Technology of Polymers and Thermosetting Polymers UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA – UNIMORE, Dipartimento di Ingegneria E. Ferrari**

14.20 – 14.40 FUTURE ARENA- Hall D5

Talk by ROBOSURF S.r.l

"MOBILE ROBOT TECHNOLOGY FOR SURFACE FINISHING AND PAINT APPLICATION"

ROBOSURF offers autonomous mobile robots and extends them with a variety of App Kits for Surface Finishing and Spray Painting to automate work on surfaces in construction, industries and the naval sector.

The Robosurf robotic platform is equipped with the most advanced artificial intelligence features, and includes industry 4.0 enabling technologies. ROBOSURF offers enormous added value by automating individual tasks and entire processes for surface finishing and paint application.

Speaker: **Patrick MacHill, Partner & COO of Robosurf S.r.l**

14.40 – 15.00 FUTURE LAB ARENA- Pad. D5

Talk by BI-REX

"VR / AR APPLICATIONS FROM DESIGN TO MARKETING"

Speaker: **Mario Margotta, Consultant and Project Manager**

15.00 – 15.20 FUTURE LAB ARENA- Pad. D5

Talk by BI-REX

"ARTIFICIAL INTELLIGENCE FOR THE EFFICIENCY AND MONITORING OF PROCESSES"

Speaker: **Sebastiano Dallari, Sales Specialist Data & AI di Var Group**

15.20 – 15.40 FUTURE ARENA- Hall D5

Talk by BESQUARE SRLS

"ARTIFICIAL INTELLIGENCE IN INDUSTRY 4.0"

The main function for the management and control of the production function of a company is today achieved with a computerised MES (Manufacturing Execution System). The management of production includes the management of orders, progress made in quantities and time and transfers in the warehouse. In addition, the MES also allows for a direct link to the machines to collect information that is useful in integrating and checking the execution of production and its control. The interconnection and integration between machine and logistics system is the main driver of Industry 4.0, and the application of artificial intelligence enables to look to the "factory of the future": predictive maintenance, smart planning and man-machine integration.

Speaker: **Marco Ciscato, Besquare S.r.l**

15.40 – 16.00 FUTURE ARENA- Hall D5

Talk by VAIMEE S.r.l

"MILKYDATAWAY: AN OPEN SOURCE PLATFORM FOR THE DEVELOPMENT OF MODULAR LINKED-DATA-DRIVEN APPLICATIONS FOR INDUSTRY 4.0"

MilkyDataWay supports the manufacturing company in transitioning to the industry 4.0 era, transforming its products, machinery and processes into smart, inter-connected systems. MilkyDataWay enables interoperability, facilitating the exchange of data in different formats, preserving the relevant context through a semantic description. MilkyDataWay is naturally used in areas characterised by heterogeneous data that is not structured and dynamic, the Internet of Things first and foremost. This is not all, the possibility of combining different elements and modifying them to meet with the specific needs of the end user makes MilkyDataWay a versatile, entirely customisable platform. With MilkyDataWay, it is quick and easy to integrate complex systems, in a sustainable, scalable and inexpensive manner. Based on the most innovative Open Source technology, the platform can collect and record flows of data generated by external sources (IoT), combine them using AI algorithms and reuse them to develop new "smart" services/applications and solutions/products.

Speaker: **Luca Roffia, Chairman of Vaimee S.r.l**

14.30 – 17.00 MIMOSA HALL - Hall B6 - D6

TECHNICAL CONGRESS by ACIMAC (Association of Italian Manufacturers of Machinery and Equipment for Ceramics) and IEG (Italian Exhibition Group)

"ADVANCES ON THE NEW MACHINES REGULATION: COMPLIANCE AND MARKET CONTROL"

The congress seeks to present the main innovations that, in light of the texts being discussed, will be contained in the provision set to replace Directive 2006/42/EC both as regards the Essential Safety Requirements and relative to regulatory aspects. It is a provision of great interest both to machine manufacturers and users, insofar as it sets the rules for the conformity of machines, lines and plants released to the market.

The event will involve the Ministry of Economic Development and INAIL, which will provide in-depth information about procedures for the market control and disputes of machine

conformity.

14:30-14:40 *Greetings*

Director ACIMAC

14:40-15:00 *The New Machines Regulation: approval procedure, main discussions that have emerged, coming into force, applicability*

Fabiola Leuzzi (Labour, Welfare and Human Capital Area - Confindustria Rome)

15:00-15:30 *The New Machines Regulation: main application innovations impacting ceramic machine manufacturers*

Ernesto Cappelletti (Quadra srl, Regulatory expert for Federmacchine)

15:30-15:50 *The New Machines Regulation: Reflections and considerations on the role of manufacturer, importers, etc. also in light of Regulation EU 2019/1020*

Giorgio Caramori (Lawyer in Cassation, De Capoa law firm - Bologna)

15:50-16:20 *Machine conformity, market surveillance procedures*

Lorenzo Mastroeni (Manager Ministry of Economic Development - Directorate General for the market, competition, consumer protection and technical rules)

16:20-16:45 *Examples of technical investigations of machines reported as non-compliant*

Luigi Monica (INAIL, Department of Technological Innovations and Safety of Plants, Products and Anthropic Settlements)

16:45-17:00 *Discussion*

17:00 *Works end*



FRIDAY 30 SEPTEMBER



10.00 – 10.20 FUTURE ARENA- Pad. D5

Talk by BI-REX

"THE ROLE OF TRAINING IN THE TRANSITION TO INDUSTRY 4.0"

Speaker: **Valentina Matrà, Program Manager of Consulting and Training Services**

10.20 – 10.40 FUTURE ARENA- Pad. D5

Talk by BI-REX

"BIG DATA FOR MANUFACTURING, USE CASES AND BEST PRACTICES: THE DEEPMON PROJECT"

Speaker: **Matteo Tellarini, Data Scientist, Sacmi**

10.40 – 11.00 FUTURE ARENA- Pad. D5

Talk a cura di BI-REX

"DESIGN FOR ADDITIVE MANUFACTURING AND FINISHING PROCESSES IN 3D PRINTING"

Speaker: **Luca Cotto, Additive Manufacturing Engineer BI-REX**

11.00 – 11.20 FUTURE ARENA- Pad. D5

Talk by UNIMORE (University of Modena e Reggio Emilia)

"ARTIFICIAL INTELLIGENCE AND COMPUTER VISION FOR QUALITY CONTROL IN INDUSTRIAL SETUPS"

Speaker: **Prof Matteo Fabbri, Postdoctoral Researcher at Almagelab – UNIMORE, CEO and Cofounder of GoatAI Srl**



PERMANENT EVENTS - HALL D5



TECNA FUTURE LAB

Tecna Future Lab (situated in Hall D5) is a TECNA themed route, a new exhibition area and a laboratory of ideas that aims to gather the latest news and stimuli in Industry 4.0 and seeks to guarantee continuity with the innovation process embarked on by the manufacturing industry.

The three souls of the project are:

- **FUTURE LAB** (INNOVATION AREA): what the market offers; practical, tangible application of innovative solutions in industry 4.0
- **FUTURE ARENA**: space dedicated to information, training, update and innovation;
- **START-UP AREA**: with the support of ICE (Agency for the promotion abroad and internationalisation of Italian companies)

This is a space dedicated to innovative Italian and international start-ups that offer services/products that can be traced to the world of digitisation, raw materials, decoration, finishing, handling & packaging, logistics & transport and green solutions for industry.

HALL B7 - INTERNATIONAL BUYERS' LOUNGE

Organised in cooperation with the Italian ministry of economic development and ICE - Agency for the promotion abroad and internationalisation of Italian companies

Programme updated to 21st September 2022



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See you in
2024