**TRAINING AND INFORMATION AT SMART BUILDING EXPO 2021:**

**INSIGHTS, OUTLOOKS, PROFESSIONALS SKILLS**

*At Fiera Milano from today to November 24th, an extensive programme of events featuring highly skilled partners. Trends, regulatory and technology overviews and expert insights: a wide range on offer to both train and provide market operators with concrete tools and answers.*

*Milan, 22 November 2021 -* **SMART BUILDING EXPO**, the home and building automation and technological integration event organised by Fiera Milano and Pentastudio, **at Fiera Milano from today to the 24th of November,** is gearing up to offer unprecedented training opportunities.

Broadband, digitalisation, a growing focus sustainability, saving energy and TV switch-off. These are just some of the major changes that are revolutionising the market and creating new development opportunities. This is the context in which the training is offered, organised by working in close collaboration with key industry players and by identifying leading partners to play key roles in high-level events at the expo, many of which will provide installers, designers, engineers and experts with training credits.

**SMART BUILDING REPORT:**

**THE POLYTECHNIC UNIVERSITY OF MILAN PRESENTS NEW DATA**

Organised in collaboration with the **Polytechnic University of Milan’s Smart Building Observatory** and specialist publisher **Nii progetti**, the ***Smart Building Report: figures and market trends*** workshop will be the exhibition's opening event. Based on research conducted by the Polytechnic’s Energy Strategy Group as well as the construction market annual survey conducted by Nii progetti, an up-to-date and unpublished snapshot of the smart building market in Italy will be revealed, featuring, for the first time ever, a specific in-depth study, which will be discussed by the main industry stakeholders in a talk.

**MILAN SMART CITY CONFERENCE: INNOVATION AT ITS CORE**

After the first edition's success, the **Milano Smart City Conference** is back on for the SMART BUILDING EXPO. A day and a half, on the 23rd and 24th of November, focused on urban resilience technologies and services.

Organised by **Smart Building Italia** in collaboration with **the Smart Buildings Alliance** **for smart cities** and with the **Smart Communities Tech Italian Cluster**, the first session, ***Building vs City,*** scheduled for the morning of November 23rd, addresses how smart buildings can contribute to smart city development, exploring aspects such as ultra-broadband connectivity, big data management and processing, the transformation from energy consumer to energy prosumer, references to electric mobility infrastructure and, last but not least, the core innovative services, such as e-health, e-learning and smart working.

In the second session the following day, ***City vs Building***, the viewpoint is reversed as the services typically dedicated to the urban environment, its local area and their contribution to a building’s intelligence is examined. Among the topics covered are platforms for participating at an urban level, indoor and outdoor connectivity, predictive systems based on city digital twins, monitoring systems and organising mobility, logistics and security.

The third and final workshop, ***Space vs City,*** takes place in the afternoon of November the 24th and focuses on applications from space: earth observation technologies using increasingly fine-tuned data processing systems that allow urban area managers and administrators to act with unprecedented knowledge of the state of things, often ensuring the predictive action that makes all the difference. Monitoring the environment, infrastructures, water control, georeferencing and telecommunications. These are just some of the many applications that are available today through using satellites.

**SCENARIOS**

Expert eyes are needed to witness the evolution taking place. At SMART BUILDING EXPO, various trade associations will offer their point of view through discussions on the “hottest” issues in the industry, from building energy management to TV switch-off and plant safety.

Organised by **ANIE-CSI,** the association which, within the ANIE Federation, represents the plant components and systems industry, the ***Building automation in energy management of buildings: tools and prospects*** seminar, scheduled for today November 22nd*,* aims to highlight how building automation and using “intelligence” in management processes, a vital resource for significantly improving both new and existing building’s stock energy performance, contribute.

The seminar, **What market and skills for plant engineers post-Covid**, organised today by **Confartigianato Impianti**, will shine a light on a burning issue: the training and skills required to, on the technical installation side, approach the new plant engineering market, radically transformed by the pandemic. While NRRP goals, digitalisation and green economy, appear well defined, these require largely new know-how and acquiring this will be the sector's real challenge in the near future.

Organised by **ANFOV**, the Italian Association for Convergence in Communication Services, the ***Switch off in the middle of the ford: the new dimension of television*** workshop (today scheduled) aims to present initial data on the progress of the second TV switch off, which began in September and will end in July 2022. A technological change that goes hand in hand with the transformation taking place in the means of television used, less and less linear, increasingly on demand and markedly hybridised with the OTT world, which also poses network and domestic systems problems which are still little known.

On the third day of the event, the last leg of the **Smart Building Roadshow 2021**, organised by **ANITEC-Assinform** in collaboration with **Pentastudio** and promoted by **ANCE**, will take place both in person and via live streaming. The themes of 2021 were recovery after pandemic-related standstills, with the focus on the two keywords in the NRRP: Digitalisation and Environmental Sustainability. At Fiera Milano, after a recap of the issues that have emerged in the six previous steps, a major round table will be held discussing the data and themes that have emerged, with top-level participation.

On the 24th ofNovember,**Prosiel,** an Italian association whose sole purpose is to promote safety in the electrical field, proposes a workshop on ***Plant safety***. Whilst we are witnessing a historical change in home equipment and services through digitalisation, unfortunately we often forget that this revolution is grafted on old electrical systems, for which regulations provide nothing on mandatory maintenance and, through general indifference, still lead to many deaths every year.

**TECHNICAL ASPECTS:**

**UNMISSABLE REGULATIONS AND INFORMATION**

Comprehensive insights into some of the technical aspects that are of greatest interest to system design and installation professionals are offered by associations, companies and academic institutions.

Today, organised by **Smart Building Italia** in collaboration with the **Polytechnic University of Milan**’s chair of Management of Built Environment and **the Energy Manager Association**, will be held the seminar ***Measuring the efficiency of buildings: The Smart Readiness Indicator and the UNI EN 15232 standard***, which aims to outline features of the European index for measuring building intelligence and cross-referencing it the UNI standard's contents, which classifies the impact of automation on building energy performance, focusing in particular on the impact these indicators have on the real estate market.

Is taking place today also the ***Designing multimedia rooms for study and work*** workshop, organised by the magazine **Connessioni** in collaboration with associations **Avixa and SIEC**. This event is one of the **AV playground** area activities, bringing the world of professional Audio Video together at Fiera Milano. The theme, made extremely topical by the pandemic, is creating multimedia spaces practical for the “new normal” in work and study. Key interventions for capitalising on a devastating experience that has opened up a world of opportunities, which numerous businesses in training sector are seizing.

Tomorrow, November 23rd, the***BACS systems: the new frontier of building intelligence*** workshop, organised by **AIBACS,** a recently founded association that unites companies in the sector as well as system integrators, aims to raise awareness of the nature and potential of BACS (building automation control systems), i.e., platforms for managing and controlling the main functions of a modern building, as a synthesis of systems that were once clearly distinct from each other but are now integrated through sophisticated solutions that allow different protocols to communicate with each other.

Again on the 23rd, the ***Interoperability according to KNX*** seminar will be held, organised by **KNX Italia** itself**:** the concept of interoperability has become more central than ever to developing complex systems of building automation, and KNX presents its ethos and the added value of KNX-branded products, which can be selected from over 8,000 on the market.

**CERTIFICATIONS AND NEW SKILLS**

Professional certifications and strengthening skills are goals shared by operators all across the smart building industry. Throughout the exhibition, there will be plenty of chances for enhancing different profiles and responding to the needs of rapidly evolving sectors.

***Meeting Smart Installer: towards certification***, the **Smart Building Italia** event dedicated entirely to installers registered as “smart installers” aims to enhance industry technicians’ professionalism, preparation and training. The meeting, scheduled for tomorrow, November 23rd, will focus on presenting the Smart Building Italia training 2022 catalogue and the aim of certifying skills, an increasingly determining factor for market choices, organised in collaboration with **APAVE Italy,** one of the largest certification and training institutions in Europe.

On November 23rd, **ANACI**, the main trade association in the condominium administrator sector, in collaboration with Smart Building Alliance, addresses the issue of smart building management, made much more complicated by the fact that, even now, condominiums seem much more like complex machines than simple works of architecture. With the ***Managing intelligent buildings: a new professional challenge*** workshop, the association highlights the currently changing role of the administrator who is progressively becoming a facility manager, surrounded by technicians specialised in different system types, and who must also play a role in monitoring the building’s proper functioning, particularly in terms of consumption.

To find out more, visit <https://smartbuildingexpo.it/>