



SHAPING THE UNKNOWN FUTURE

iSCM

INTERNATIONAL DESIGN COMPETITION

SMARTCITY+

SMARTCITY+

2021

a year to regeneration
a year to rethink our city
a year to sustain our future
a year to +

Competition Introduction

It is the first time in human history, we have no idea what the world will be like in the next 30 years (the writer Yuval Harari). The first half of the 21st century will be the most important in the history of the human race because of all challenges we face from an amazing leap in technology and the urban challenges in a rapidly urbanizing and globalized world. In this phenomenon, smart cities will not just be a trend but also become a must-have. But How Smart cities will deal with urban challenges and How integrated technology and other fields can be applied to solve the urbanization crises? Many successful smart cities in the world recognize that urban cultural values, urban identity integrate with innovation and new technology have always been a driving force of sustainable city. Especially in a developing country context where cities have very limited resources, finding an identity as a driven force is one of the most important questions as well as a proposing urban problem-solving.

If you live in a city, especially in a metropolis, you have likely asked your self How do we say we're living in a city but always have to flee the city to get fresh air or connect to the nature? How do we, as a architect, urban designer or urban planner, and the most important as a community, reclaim the public spaces to create a better urban life.

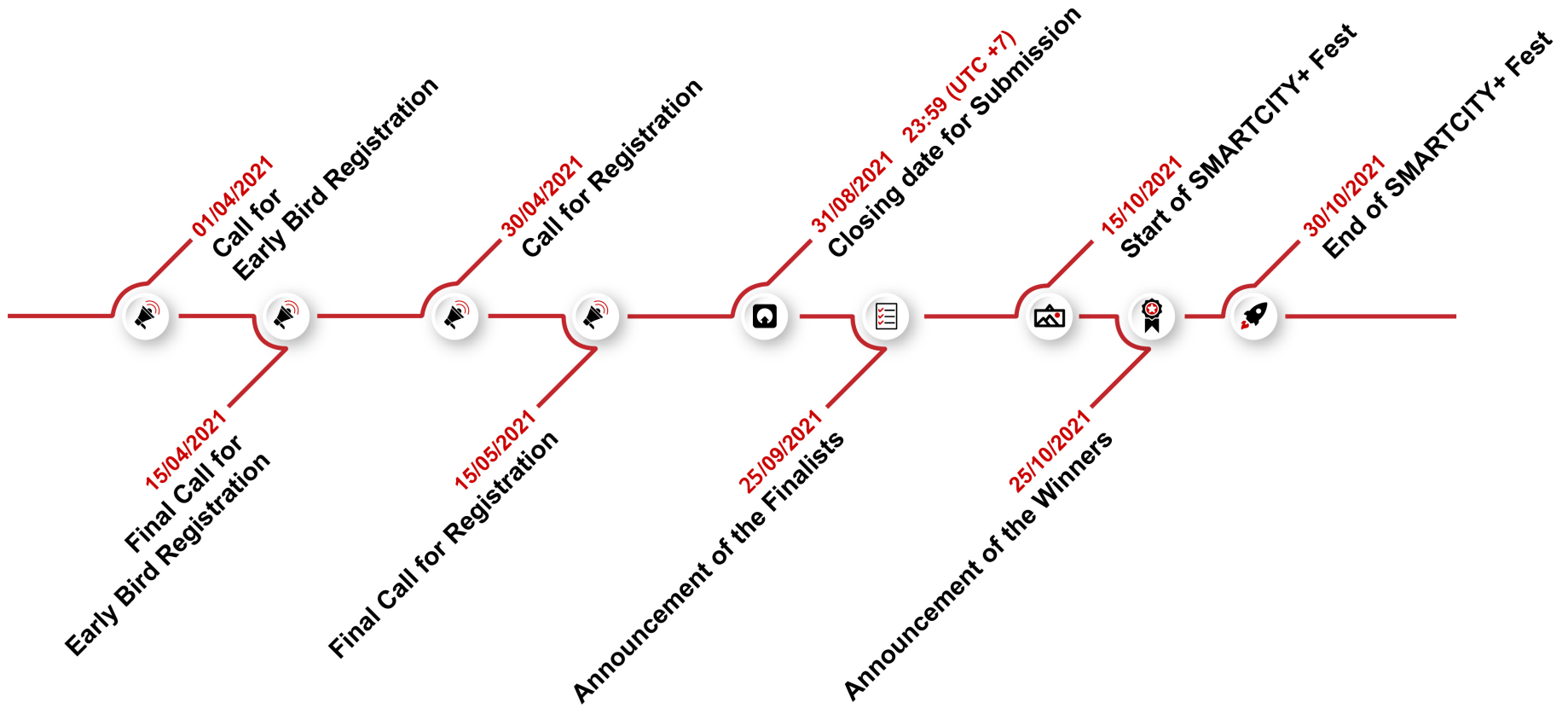
SMARTCITY+ is a second international competition launched by Institute of Smart City and Management (ISCM), University of Economics Ho Chi Minh City (UEH), in partnership with Handong Global University, UNESCO/UNITWIN, Chemonics International, HCMC University of Architecture (UAH), HCMC University of Technology and Education, Trieste University, Blekinge Institute of Technology, Seoul National University, Politecnico de Milano, University of Industrial Fine Art, Saxion University, National Institute of Technology Calicut, University of Melbourne, University of Auckland, SmithGroup, XnTree - Global Tech Accelerator, World Smart Cities Forum; SMARTCITY+ proposes an alternative method to achieve livable city that works mainly at the small scale of public spaces. In this competition, participants are asked to explore the possibilities of urban intervention in public space that can lead to positive changes in a larger scale. Participants are free to either extend these existing areas and transform them, or propose a new design on a site of their choice.

This competition encourages participants to be bold and think outside the box. How can architecture, urban design and planning go beyond the traditional concept of urban public spaces. Winning participants need to apply unique strategies and creative designs to experiment with new urban scenarios, which are able to promote social exchange, community activities and citizens interaction through the implementation of multifunctional designs.

Program

- General objective is to propose a design that enhance urban identities in the context of smart city.
- Competition is open to university students all around the world.
- The proposal is an integrated implementation of novel technology, material, programs, aesthetics and spatial organization, along with the studies on local culture, globalization, adaptability, and visions of future urban environment.
- There is no specific site where you should develop your proposal: each participant or group may choose its own urban context where to locate the project. The choice however must be justified by the project itself and its connexions with the urban context. It must have a clear relationship with the new use and program, and a strong link to the local community or potential users;
- "SMARTCITY+" is aimed to see the CITY concept, therefore, we encourage participants to experiment with a range of possibilities that can be adapted to any kind of urban space. The applicant can submit his/her concept related to the follow topics:
 1. Public space & environmental design
 2. Urban transportation & city connectivity
 3. Urban space for residential design
 4. Mixed-used building & complex
 5. City for all
 6. Staycation city
 7. City with strong identities
 8.

Schedule



Prizes and Mentions

Total prize value: 4,200 USD

3 winning proposals, 2 special awards and 10 honorable mentions will be selected.

| | |
|------------------------------------|---|
| <i>1st prize</i> \$1,500 | <i>Sponsor Favorite Prize</i> \$500 |
| <i>2nd prize</i> \$1,000 | <i>Most Popular Prize</i> \$500 |
| <i>3rd prize</i> \$700 | +10 Honourable Mentions |

Eligibility

- Registration is open to all students of universities around the world;
- Team can be multidisciplinary (architect, engineer, landscaper, urban planner,..). An official proof will be asked during registration (students card, diploma, letter of confirmation,..);
- Participants can participate alone or by team of a maximum of 3 persons.

Registration Procedure

The registration and submission procedure must be done online by only the group leader:
Access and fill your information in the registration form of "SMARTCITY+" competition;

Early registration: April 01, 2021

Standard registration deadline: August 05, 2021

Once the registration is completed, you will received a confirmation email with the "Identity code" and the link to download the competition brief and guideline.

Link for registration: shorturl.at/itK49

Presentation Deliverable Set

- Suggestion only
- Urban plan (suggest scale 1:500 or 1:1000) / 3D visualization / Primary section (suggest scale 1:50 or 1:100) / Primary or typical floor plan (suggest scale 1:50 or 1:100) / Detail (envelope, structure, floorplan, operation plans,..) / Diagrams / Indoor & outdoor perspectives
- Layout must follow the template given during the registration. Documents shall be submitted in English.
- Submission deadline is on the 31th August 2021 at 23:59 (UTC+7).

Submission Requirements

- All proposal files must be submitted with a pre-defined name and Identity code for blind review. Identity code will be given during registration;
- Participants are required to upload at least 3 Panels (5 maximum) in the pre-defined templates (must not exceed 50mb per file) with all the necessary graphic information to explain the project in the best way possible (title, diagrams, sketches, 3d visualizations, plans and sections, collage, model photos,..), and a brief text describing the proposal (max. 500 words);
- Each panel should have a short explanation of the features shown in it;
- No video are accepted;
- All information provided in writing must be in English;
- All submission must be upload online to the ISCM server (specific address will be announced 2 week before the submission deadline and send to all group leaders by email);
- Participants who do not comply with the requirements will be disqualified;

Jury & Evaluation Process

- Full jury panel member is published in our community page at <https://iscm.ueh.edu.vn/>
- The core and consultative jury panels will be responsible for setting the criteria that participants need to fulfill, based on the site and brief, and will evaluate each submission accordingly;
- Participants are advised to research both the working site and previous similar case studies as part of the design process;
- The jury may choose to reward projects that show a high degree of creativity, even if they breach any of the rules, as long as its justified.

Selecting top 3 winners

- Jury panel will produce a shortlist of 20 from all the submitted entries;
- Jury panel will select 15 competition finalists from the shortlist;
- Jury panel will evaluate the 15 finalists and select the top 3 winning projects and 10 honourable mentions.

Selecting sponsor favorite idea project

- Our sponsor will select 1 project from finalists that have the most standout ideas.

Selecting most popular project

- From the 15th of September 2021, all the finalist projects will be uploaded to ISCM community page at <https://www.facebook.com/ISCM.ueh> . On 25th of September 2021, the most liked and shared project will received the Most popular prize.

Intellectual Property

Registering to the “SmartCity+” competition implies transferring an unlimited right of use, distribution, publication and communication of all submitted material to ISCM. Should any material be further used, distributed, published or communicated by ISCM, the authors’ shall always be acknowledged and mentioned.

Evaluation Criteria

- All submissions will be assessed with 10 criteria classified by 3 different main categories which are: Understanding of SmartCity+ topic; Human-centered design; and Formal design concepts and structure. An explanation of each criterion and its weight in the total score is shown in the table below

- Understanding of SmartCity+ topic

Future City Vision (25)

SMARTCITY + is a concept design contest where all applicants can freely explore the possibilities between real and unreal design. But a submission that successfully offers a balance between real design and unreal design will be more appreciated.

1 Clarity of Innovation and Future Design (10): What is the Author's manifesto of the city in the future is represented. How clearly is the future city different from today's city?

2 Future Technology (5): How modern and upcoming technologies will be realized as tools of city development in the future urban landscape;

3 Feasibility (5): Possible for construction in some future, within reasonable time and cost;

4 Holistic Approach (5): How far does the author consider their design proposal in the city's bigger picture? Can the Author's concept and manifesto bring a clear feeling or/and vision of how the city may look?

Smart Design (20)

5 Unique vision/manifesto (10): An applicant shall express via diverse tools how he/she understands the Smart Design. The more aspects are taken into consideration, applied and combined as a balanced and well-working system, the higher score the contestant may receive. Also a unique vision with a strong explanation is appreciated.

6 Clarity of Smart Design Functions (5): The author shall clearly portray how Smart Design ideas are revealed in the whole concept. It is not enough to show the green façade, e.g., but important to trace the function of the technology. Why it has been presented in the project? What is the role in the project? How far the function and its presentation correspond to the whole design?

7 Comprehensiveness (5): 'Proposal shall address stakeholders & existing problems'. Besides knowing the contemporary Smart Design techniques it is important to know where exactly to apply them and why. The problem, which he/she has identified to build the proposal, shall be highlighted by the author clearly.

+Identity (30)

- 8 Author's Manifesto (10): How does Author determine the key problems and solve them?
- 9 Re-thinking Urban Identity (10): Smart city is an inevitable trend, but how do authors design to maintain the identity of the city and promote them?
- 10 The Harmony between Urban Development and Identity (10): How does author balance between urban development and identity? How far does urban identity become an urban development drive in the author's proposal?

- Human-centered Design (30)

- 11 Composition and Expression (5): Composition rules which are followed by the author: symmetry, dominant and accent, statics vs dynamics, etc. Balanced proportions and good feeling of a scale.
- 12 Universal Design (5): the design can be accessed, understood and used to the greatest extent possible by all people regardless of their age, size, ability or disability.
- 13 Social Interactions (10): Intersections shall be wisely reviewed by the author. It shall be clear where the crowd streams cross and how they are managed at a point.
- 14 Logistics & Circulation (10): The author shall be clear in social circulation. None of the space shall have accidental empty spots, which are not programmed for the usage, until that is a clear purpose based on the clear authors manifesto. The viewer shall see the clear path of the diverse social groups and how they are managed. This criteria states for the dynamics in the design, follows the logics of social paths.

- Formal design concepts and structure (20)

- 16 Author's Message (5): What is the main message delivered by the work? How is it supported via design and presentation? Both graphic and text. The author can define the Title and follow the chosen style.
- 16 Logics & Structure (5): The board organization, sequence of design elements, connection between drawings and design elements etc.
- 17 Confidence & Skills (5): Does the work bring the feeling of the strong design skills the author/s have? Does the work show the confidence of the applicant?
- 18 Graphic Presentation (5): layout, color, clarity, organization

Jury Panel



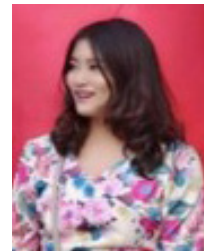
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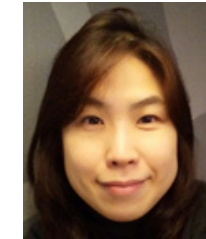
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Organizers

University of Economics Ho Chi Minh city, Vietnam

UEH is a multi-disciplinary university with various levels and modes of education, from bachelors to PhDs. UEH teaching staff all have been trained from high reputation institutes all over the world. Annually, there is a large enrolment number of students that makes UEH become one of the largest Vietnamese universities in the field economics and business administration.

Institute of Smart City & Management, Vietnam

Institute of Smart City and Management (ISCM) were established with the goal of becoming a connector between universities, government management agencies, research organizations, domestic and foreign companies and the local community. From those connections, together, we will research and propose smart strategies and creative solutions to solve urban problems to help develop a better education and towards sustainable urban development in Vietnam.

UNESCO UNITWIN

UNITWIN is the abbreviation for the University Twinning and Networking Program. The Program was established in 1992 following the relevant decision of UNESCO's General Conference taken at its 26th session. The UNITWIN/UNESCO Chairs Program was conceived as a way to advance research, training and program development in all of UNESCO's fields of competence by building university networks and encouraging inter-university cooperation through the transfer of knowledge across borders.

Handong Global University, Republic of Korea

Handong Global University is the epitome of a Glocal University (Global and Local) that serves the community, the world, the people, and the humanity through our love and wisdom with creativity. Handong Global University has been trying to contribute to the development of the community, the nation, and the world by equipping its students with the love to serve their neighbors and the creative power to solve problems wisely.

University of Architecture Ho Chi Minh city, Vietnam

Ho Chi Minh City University of Architecture, is the flagship university in architecture, civil engineering, design education and research in Southeast Asia. In addition to architecture and civil/structural engineering, the university provides higher education in several relating disciplines including urban planning, infrastructural engineering, fine arts, fashion design and building interior design. Its main campus is located in District 3, Ho Chi Minh City in addition to two provincial campuses in Da Lat and Can Tho.

University of Melbourne, Australia

Established in 1853, the University of Melbourne is a public-spirited institution that makes distinctive contributions to society in research, learning and teaching and engagement. Its consistently ranked among the leading universities in the world, with international rankings of world universities placing it as number 1 in Australia and number 32 in the world (Times Higher Education World University Rankings 2017-2018).

Blekinge Institute of Technology, Sweden

The Blekinge Institute of Technology (BTH) is a public, state funded Swedish institute of technology in Blekinge with 7,200 students (part-time, full-time) and offers about 35 educational programmes in 12 departments at two campuses located in Karlskrona and Karlshamn. BTH was granted university status in engineering in 1999. Among the many programmes and courses taught in Swedish, BTH offers about 11 Master's programmes in English.

Politecnico di Milano, Italy

Politecnico di Milano (POLIMI) is one of the most outstanding universities in the world, according to QS World University Ranking. Founded in 1863, it is the largest School of Architecture, Design and Engineering in Italy, with 3 main campuses located in Milan and 5 campuses based in the North of Italy.

HCMC University of Technology and Education, Vietnam

HCMC University of Technical Education is a multidisciplinary university in Vietnam, with the strength in technical training, considered one of the leading universities in engineering training. Arts in the South Outstanding with research & practice rooms open 24/24. The University is one of the six Technical Pedagogical Universities of the whole country - providing application-focused engineering training to teach, with the function of training technology engineers and technical teachers. It is also a major scientific research and technology transfer center of South Vietnam.

Trieste University, Italy

The principal ambition of the University of Trieste is to prepare the future class of leaders and professionals for a world of work in which the required level of knowledge and preparation changes every day. Adaptability to change and continual learning are among the main values that we emphasise. For many years, the University has held a leading position in the ranking of Italian universities, while it is one of the few Italian institutions also found in international rankings. Recently, UniTS received the highest assessment of 'very positive' on the MIUR (Ministry of Education, Universities and Research) scale, placing the University in Band A.

University of AuckLand, New Zealand

The University of Auckland is a public university based in Auckland, New Zealand. It is the largest, most comprehensive and highest-ranked university in New Zealand and consistently places among the Top 100 universities in the world by QS World Rankings. The institution was established in 1883 as a constituent college of the University of New Zealand. Originally it was housed in a disused courthouse. Today, the University of Auckland is New Zealand's largest university by enrolment, hosting about 40,000 students on five Auckland campuses.[5] The City Campus, in central Auckland, has the bulk of the students and faculties. There are eight faculties, including a law school, as well as three research institutes associated with the university.

Industrial Fine Art University, Vietnam

Over the past 67 years, the Industrial Fine Arts University has trained over 8,000 bachelors and 45 masters of arts. The team of designers trained by the school is currently working at cultural and artistic research, management, design and construction agencies for applied arts all over the country. The major works of the country have the participation of school staff, lecturers and students

Saxion University, Netherlands

Saxion University has a rich history - its roots can be traced back to 1875. A merger of two educational institutions, the Hogeschool Enschede and Hogeschool IJsseland, paved the way for Saxion University in its present form in 1998. This merger enabled Saxion to build further on its strong position in Dutch higher education and since then Saxion University has come to be recognised as an important centre of expertise at a regional, national and international level.

Seoul National University, Republic of Korea

Founded in 1946, Seoul National University is considered to be the most prestigious university in the country. The university has three campuses: the main campus in Gwanak-gu and two additional campuses in Daehangno and Pyeongchang. The university comprises sixteen colleges, one graduate school and nine professional schools. The student body consists of nearly 17,000 undergraduate and 11,000 graduate students. According to data compiled by KEDI, the university spends more on its students per capita than any other universities in the country that enroll at least 10,000 students.

SmithGroup, USA

At SmithGroup, we embrace opportunities to work alongside clients, partners, and colleagues who dare to push boundaries and pursue bold “what if” dreams. And we’ve discovered how to bottle passion and deliver success. The secret? People like you. Creating partnerships with others who share our goals, values, and visions for creating a better future has yielded outstanding results. Our trophy shelf is packed with proof.

National Institute of Technology Calicut, India

National Institute of Technology Calicut (NIT Calicut or NITC), formerly Regional Engineering College Calicut, is a public technical university and an institute of national importance governed by the NIT Act passed by the Parliament of India. The campus is situated 22 km north east of Kozhikode, on the Kozhikode–Mukkam Road. It was established in 1961 and was known as Calicut Regional Engineering College (CREC) until 2002. It is one of the National Institutes of Technology campuses established by the Government of India for imparting high standard technical education to students from all over the country. NIT Calicut hosts a supercomputer on its campus, and has a dedicated nanotechnology department

World Smart Cities Forum, United Kingdom

World Smart Cities Forum is a non-profit organisation established to assist local governments and municipalities to solve current urban challenges by building and developing human-centric smart cities around the world. We provide strategies that follow best practice and build the structure of sustainable growth models for various cities.

Xn Tree - Global Tech Accelerator, United Kingdom

We are reimagining the way we address key societal and environmental challenges through curating cross-sectoral technology solutions. As we enter into the fourth industrial revolution, we are faced with issues that rise in efficiency, transparency and economics of conventional infrastructures. Our mission at XnTree is to enhance the revolution through the collaboration of cutting edge technology by bridging the best of East and West. We select cutting-edge tech ventures to scale them through our cross-border ecosystem, sandbox programmes and Smart city projects.

Chemonics International Inc., USA

Founded in 1975, Chemonics is an international development consulting firm. In more than 85 countries around the globe, our network of more than 5,000 specialists shares a simple belief: that the challenges we face today are best solved through the right partnerships – sharing knowledge, expertise, and experience to deliver results. Where Chemonics works, development works. Follow us on Facebook and Twitter or visit us at www.chemonics.com.

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