

present

CARPARK FUTURES

DPA-X, Dominique Perrault Architecture's research department, is partnering with Indigo Group to launch two projects dedicated to the development of the car park of the future.

Groundscape Architecture Lab CARPARK FUTURES



ONLINE COURSE

In partnership with the Ecole Polytechnique Fédérale de Lausanne and the american e-learning platform edX, a new online course dedicated to the architectural development of underground parking infrastructure is launched. It represents a special edition of the MOOC (Massive Open Online Course) inaugurated in 2018 on "Groundscape" architecture. **Registration is open!**

www.edx.org



ARCHITECTURE COMPETITION

At the same time, DPA-X and Indigo Group are launching an international architecture competition, open to young architects. Candidates, registered alone or in teams, are invited to exercise their creativity to invent the parking lot of the future, on the Euralille site, in northern France, which will be under study for 72 hours.

Registrations are open from January 19, 2022!

<https://carparkfutures.wiin.io>

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Press

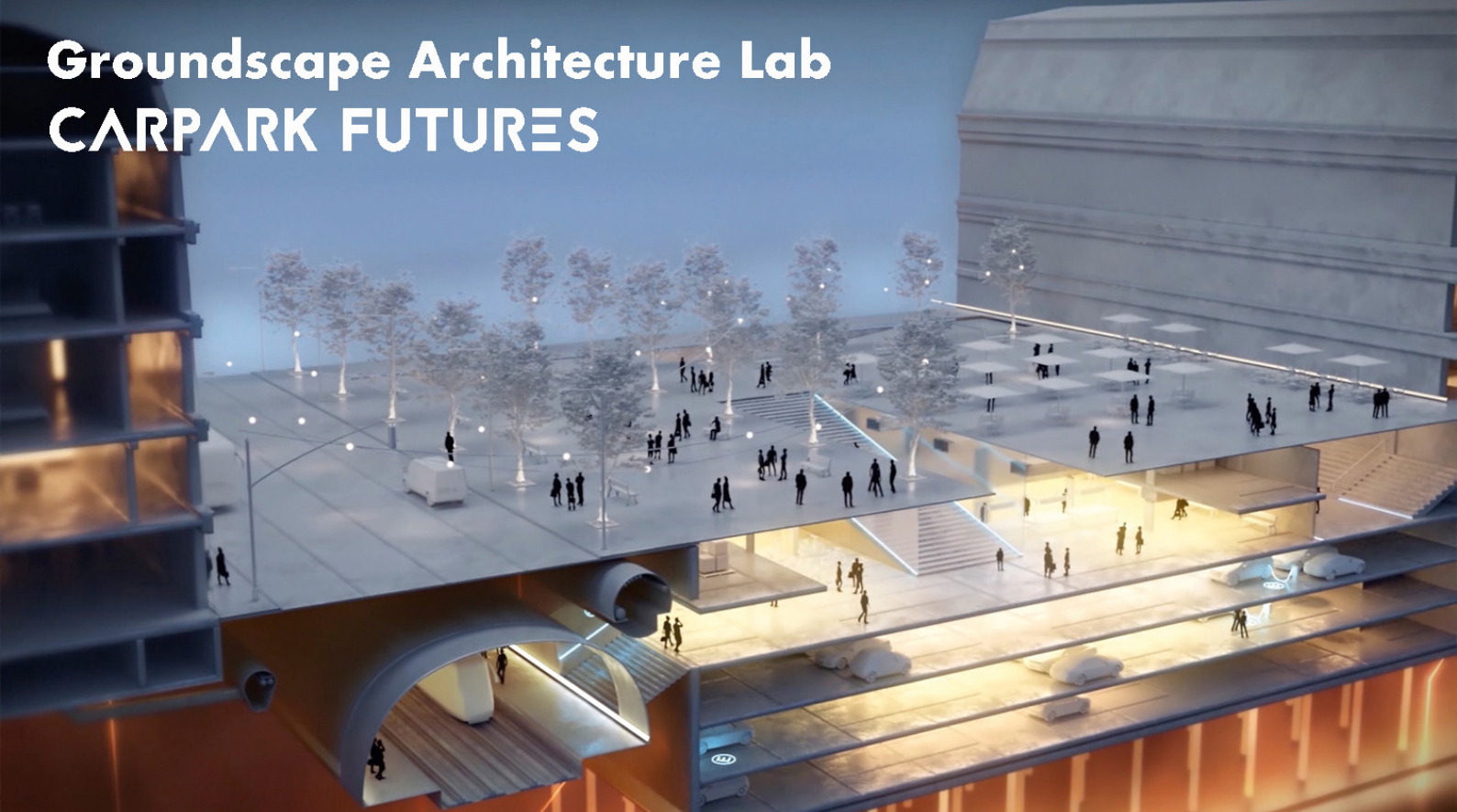
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Groundscape Architecture Lab

CARPARK FUTURES



ONLINE COURSE

GROUNDSCAPE ARCHITECTURE LAB “CARPARK FUTURES”

WWW.EDX.ORG

A course dedicated to the architecture of contemporary parking infrastructures.

Continuing the research and experimentation conducted by Dominique Perrault within his studio and the SubLab, a multidisciplinary academic and research think tank founded in 2013 at the Ecole Polytechnique Fédérale de Lausanne (EPFL), Dominique Perrault is launching a MOOC (Massive Open Online Course) in 2018 on underground architecture or “Groundscape” architecture. Resulting from a partnership between EPFL and the American e-learning platform edX, this course was created for architects, urban planners, landscape architects, students, but also for anyone interested in the development of cities and territories. It explores the spatial potential of the underground and proposes a different way of exploring the surface of our cities by offering a resilient, responsible, aesthetic and sustainable response to the many current urban challenges. It allows students to become familiar with urban strategies, design tools and basic construction processes necessary to create spaces underground.

This year, a special edition of the MOOC, entitled “Carpark Futures”, has been developed in partnership with Indigo Group, the world’s leading parking company.

A FREE MOOC

This 2021-2022 edition of the MOOC, developed in collaboration with Indigo Group, is a continuation of the prospective work carried out in the framework of the study [“Carpark Futures: Opportunities in the Underground”](#), published in 2020.

The course proposes to candidates to specifically focus on the issue of underground parking, located at the heart of current transformations related to mobility, logistics or energy. It teaches a variety of architectural strategies for the transformation of new or existing parking infrastructures. Offering free tracking and a paid degree option, this course is available by registration on the edX education platform through June 2022. Registration, open at any time, allows for six weeks of free theoretical and practical instruction.

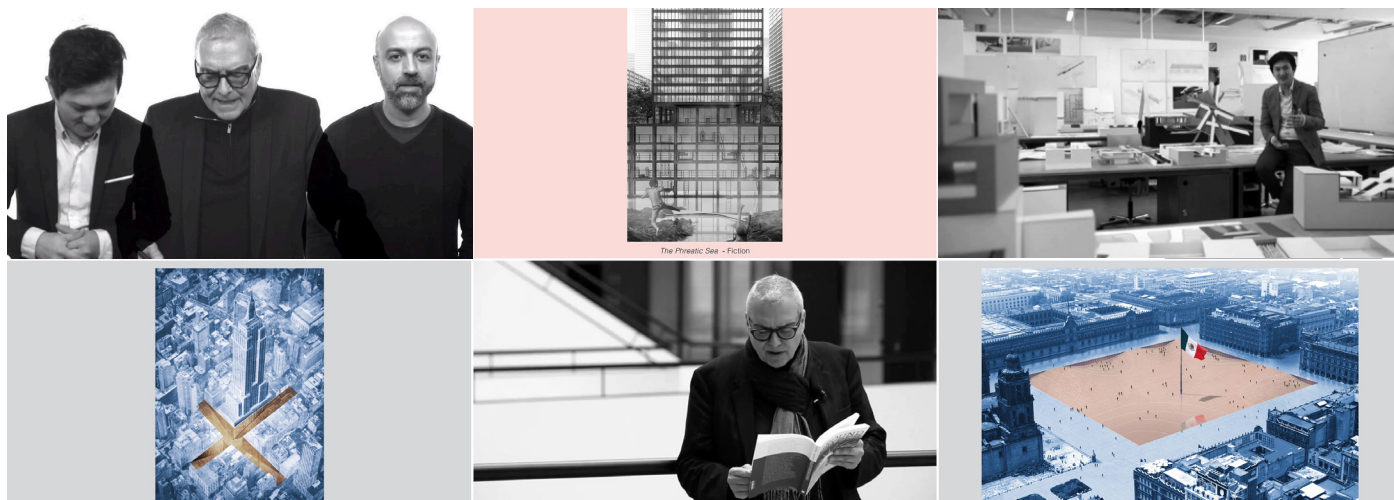
The course is structured around 5 episodes, divided into different acts, including key expertise and lectures on the Groundscape architecture. It offers a set of theoretical lectures, illustrated by several hundred built or utopian references. This year, students are invited to develop projects on the Euralille site in France.

This large European intermodal hub, built in the 1980s and 1990s according to Rem Koolhaas' masterplan, is representative of the way mobility was conceived at the end of the 20th century. Monumental parking lots are located in the first basement of each of the buildings on the site and it is a particularly good place to imagine the future of underground parking. Registered students also benefit from live feedback and monthly presentations by professors Ignacio Ferrer, who has been teaching the Groundscape Architecture Lab MOOC for the past 4 years, and Octave Perrault, director of the Carpark Futures study for DPA-X, as well as other guest teachers. They also have access to a platform where they can develop their own projects and share their ideas.

CARPARK FUTURES STUDENT AWARD

As a continuation of the practical exercises proposed, this special edition of the MOOC offers candidates the possibility to present their project in front of a jury by participating in the "Carpark Futures Student Award". The final jury of the MOOC will take place around June 2022.

WWW.EDX.ORG



TEACHERS

Richard Nguyen

is a graduate of the Paris-Malaquais School of Architecture and studied at the University of Sydney. He has been a project manager for the past fifteen years with the Dominique Perrault architectural studio. He was a teacher at the laboratory of Underground Architecture (SubLab) at EPFL, where he was awarded the Gold Polysphere Prize in 2016, which is awarded to the university's best teacher.

Ignacio Ferrer Rizzo

Architect graduated from the ETSAM, High Technical School of Architecture in Madrid, he also attended the EPFL, during an exchange program. Ignacio Ferrer Rizzo has been a collaborator since 2014 in Dominique Perrault's architectural practice. As a teacher-researcher, in 2016 he joined SubLab, EPFL's Laboratory of Underground Architecture.

Octave Perrault

As an architect, he directed the 'Carpark Futures' project within DPA-X, the research department of Dominique Perrault Architecture. His work has been presented in various international art and architecture institutions, such as the curatorial project Cruising Pavilion and the art collective âyr. His writings have been published in several international publications such as Yale Perspecta, Harvard Design Magazine and Vogue L'Uomo.

UNIVERSITIES



EPFL / EPFL's main campus brings together 12,600 students, professors, researchers and staff in a dynamic learning environment. EPFL has reached the top of European science and technology institutions: it is ranked No. 1 in Europe in the field of engineering by the Times Higher Education, Leiden Rankings and Academic Ranking of World Universities. Many free and open access courses are now offered by EPFL via the edX platform.



edX / A non-profit online learning platform, edX was founded by the Massachusetts Institute of Technology (MIT) and Harvard University in May 2012. It hosts and makes available free university-level online courses from around the world. As of July 2014, edX had more than 2.5 million users taking more than 200 online courses from renowned universities, including UC Berkeley, Oxford University, the Sorbonne in Paris and McGill University in Montreal.



CARPARK FUTURES COMPETITION 2022

72 HOURS ARCHITECTURE CONTEST

ARCHITECTURE COMPETITION CARPARK FUTURES COMPETITION

[HTTPS://CARPARKFUTURES.WIIN.IO](https://carparkfutures.wiin.io)

72 hours to invent the parking of the future!
Registration from January 19th 2022 to April 17th 2022

AN INTERNATIONAL ARCHITECTURE COMPETITION IN 72 HOURS

Open to young architects under 40 years of age, registered alone or in a team, “Carpark Futures Competition” invites architecture professionals to question the architectural, urban, technical and environmental potential of a revalorization of underground parking lots, through the study of the Euralille site in northern France.

The candidates will have to propose a series of architectural interventions in response to new practices related to mobility, urban logistics and, more broadly, to changes in lifestyles and consumer habits.

The jury, made up of experts from the world of architecture and urban planning, is co-chaired by Dominique Perrault, architect and urban planner and member of the French Academy of Arts, and Serge Clemente, Chairman of the Indigo Group.

INVENTING THE CAR PARK OF THE FUTURE

How can underground parking spaces be transformed to adapt them to contemporary societal changes? How can architecture respond to the challenges of future mobility and urban density in the broad sense?

Today, sometimes underused, underground parking lots represent important reserves of surface, volume and land, and their potential is immense. It is now necessary to go beyond a vision of the underground parking lot as a simple inert storage space, in order to allow its integration into major metropolitan developments, by introducing new programs, new uses, and new architectural qualities. The idea of an underground real estate development, or “Sub-estate”, can now be considered as a strategy for an optimized, resilient urbanism, imagining the city as a system rooted in the ground.

CALENDAR

REGISTRATION

January 19, 2022 - Registration opens

April 17, 2022 - Registration closes

72 HOURS COMPETITION

May 20, 2022 - 00:01 AM - Publication of complete rules and opening of applications

May 22, 2022 - 11:59 PM - Closing of applications

JURY

June 2022 - Jury and announcement of winners

PRIZES

3 WINNERS

- **Indigo Grand Prize: 5,000 euros**
- 2nd Prize: 2.000 euros
- 3rd Prize: 1.000 euros

HONORABLE MENTIONS (3 mentions)

SPECIAL PRIZES (3 special prizes)

ORGANIZERS

DPA-X

DPA-X, founded by architect and urban planner Dominique Perrault, is a prospective research platform. Favoring multidisciplinary interactions, its objective is to accelerate architectural innovations to accompany the new metropolitan evolutions. The diversification and insertion of the underground space in these dynamics is in line with the research and projects developed by the architect, crystallizing the concept of "Groundscape" as a strategy for resilient urban development, combining architecture, infrastructure and landscape. Awarded the Imperial Praemium and a member of the French Academy of Arts, Dominique Perrault will deliver the new Villejuif-Institut Gustave Roussy station of the Grand Paris Express in 2025, which is currently under construction, as well as the "Lightwalk" intermodal hub in Gangnam, Seoul.

[More information](#)



Indigo Group is a world leader in car parking, personal mobility and city services. The Indigo Group's activities cover several business lines: on-street and off-street parking, urban logistics and soft mobility. Indigo designs, builds, finances and operates customized parking solutions in more than 2,720 locations in over 350 cities and 11 countries, and manages more than 2,160 km of roadways. To meet its customers' needs and offer the smoothest possible journey, Indigo also develops digital solutions such as OPnGO.

[More information](#)

[HTTPS://CARPARKFUTURES.WIIN.IO](https://carparkfutures.wiin.io)