

IMT and Dartmouth College win prestigious 2019 edX Prize for "C Programming with Linux" Professional Certificate

Created by Rémi Sharrock, Associate Professor at Télécom Paris, an IMT school, and Petra Bonfert-Taylor, Professor at the Thayer School of Engineering at Dartmouth College (an American Ivy League university), this certificate program comprising 7 MOOCs has been awarded the 2019 edX Prize for its "exceptional contributions in online teaching and learning." The professors were selected from a group of 10 internationally-renowned finalists for their innovative approach to online computer science learning.

The "C Programming with Linux" professional certificate has attracted 170,000 learners across the globe in just one year.

This program dedicated to learning Linux and C Language, one of the main computer programming languages used around the world, culminates in a Professional Certificate[®] recognized by leading industrial groups such as Airbus, Nokia and Thalès.

The seven MOOCs taught in English allow learners to gradually become proficient in C Language, from learning the foundations of C Language with Linux for beginners, to becoming experienced users of this powerful operating system. The MOOCs use innovative tools developed by France IOI, which are revolutionizing online learning:

- Codecast: a tutorial that offers an interactive code interface with live comments from the teacher
- Taskgrader: an automated tool to assess code produced by learners

An unprecedented international collaboration

This certificate program is the first to be developed through an unprecedented academic partnership between Dartmouth College and IMT – France's number-one group of engineering and management graduate schools and a key player in online learning in France.

The program grew out of Rémi Sharrock's (Télécom Paris) desire to extend his first MOOC, "ABC du Langage C," which won the 2016 Google Award for most innovative MOOC of 2016, through an English-language version. It is the result of unprecedented international collaboration with Petra Bonfert-Taylor, whom he met during a trip to discover the United States.

This MOOC program is the first cross-institutional certificate program on the edX platform. "edX gave us the opportunity to offer an innovative program, both in terms of it being a joint program and the tools we use. We're thrilled to receive this prize and urge edX to encourage its members to team up to develop collaborative projects which result in rewarding learning experiences, for learners and Faculty alike." (Rémi Sharrock)

IMT is the only higher education institution in France to be present on the three leading international platforms – edX, Coursera, and fun-Mooc for the French-speaking community – with a collection of 50 MOOCs created by its schools (13 of which are led by Télécom Paris). This presence offers a unique choice depending on the targeted audience and the teaching methods instructors wish to use.

“We are delighted to present Dartmouth Professor Petra Bonfert-Taylor and Institut Mines-Télécom (IMT) Professor Rémi Sharrock with the edX Prize,” said Anant Agarwal, edX CEO and MIT Professor. “Together, they launched the first cross-institutional Professional Certificate program on edX, using innovative open source tools and approaches to remove the most common barriers to beginner coders. We are honored to recognize this team and we offer our sincere gratitude for their commitment to spreading the edX mission of increasing access to high-quality education worldwide.”

This MOOC program was created with support from Fondation Mines-Télécom and the Patrick and Lina Drahi foundation.

To access and enroll in the MOOC program, visit:

<https://www.edx.org/professional-certificate/dartmouth-imtx-c-programming-with-linux>

Press contacts :

IMT

Myriem Benseghir / Lucie Bocquier
+33 (0)1 84 02 11 32 / +33 (0)2 52 20 02 11

Agence OXYGEN

myriem.b@oxygen-rp.com / lucie@oxygen-rp.com

Télécom Paris

Isabelle Mauriac
+ 33 (0)6 27 70 71 60

Agence i-Media

imauriac@imedia-conseil.fr

About IMT: www.imt.fr

Institut Mines-Télécom is a public institution of higher education and research, under the authority of the French Ministry for the Economy, Industry and Digital Affairs, which groups together 8 graduate schools, 2 subsidiaries and a network of strategic and affiliated partners. Its activities in the fields of engineering sciences and digital technology support the education of engineers and managers, partnership-based research, innovation and economic development. Always tuned into the economic world, IMT combines high academic and scientific legitimacy with proximity to business and strategic positioning in the major transformations of the 21st century: digital, industrial, energy and ecology, and education. A pioneer of MOOCs in France, IMT has created 50 MOOCs and has a community of 900,000 learners.

About Télécom Paris : www.telecom-paris.fr

Télécom Paris is ranked as one of the top four general engineering graduate schools in France. Recognized for its close ties with business, this public school guarantees excellent employability in all industries and has emerged as the number-one engineering graduate school in the field of digital technology. Its excellent training and innovative teaching methods place Télécom Paris at the heart of a unique ecosystem of innovation, built upon the interaction and cross-disciplinary nature of its training, interdisciplinary research, its two business incubators and its campuses (Paris and Sophia Antipolis – Eurécom). Its LTCI laboratory has been recognized by HCERES as an outstanding unit in the field of digital sciences.

Télécom Paris is a founding member of Institut Polytechnique de Paris and a member of IMT (Institut Mines-Télécom).

About Thayer School of Engineering, Dartmouth College : www.engineering.dartmouth.edu

Founded in 1867 at Dartmouth College, Thayer School of Engineering is one of the nation's first professional engineering schools, preparing leaders to solve the world's most pressing challenges through engineering, research, and entrepreneurship. Thayer offers undergraduate and graduate degrees under a unified department of engineering sciences. Consistently ranked among the top colleges and universities for its commitment to teaching, Dartmouth is the first national research university to graduate a majority-female class of undergraduate engineers.

About edX : www.edx.org

edX is the trusted platform for education and learning. Founded by Harvard and MIT, edX is home to more than 20 million learners, the majority of top-ranked universities in the world and industry-leading companies. As a global nonprofit, edX is transforming traditional education, removing the barriers of cost, location and access. Fulfilling the demand for people to learn on their own terms, edX is reimagining the possibilities of education, providing the highest-quality, stackable learning experiences including the groundbreaking MicroMasters® programs. Supporting learners at every stage, whether entering the job market, changing fields, seeking a promotion or exploring new interests, edX delivers courses for curious minds on topics ranging from data and computer science to leadership and communications. edX is where you go to learn.