> International Congress

Learning for the Future in the Age of Artificial Intelligence

Digital Education, Computer Programming and Robotics for Compulsory Education

Regional launch of the Beijing Consensus on Artificial Intelligence (AI) and Education – UNESCO

August 26th and 27th | 2019 | Buenos Aires | Argentina

> Program

23-08-2019 Version

APRENDER CONECTADOS

Ministerio de Educación, Cultura, Ciencia y Tecnología
Presidencia de la Nación

Authorities

President of the Nation
Mauricio Macri

Chief of the Ministerial Cabinet
Marcos Peña

Minister of Education, Culture, Science and Technology
Alejandro Finocchiaro

Secretary of Culture
Pablo Avelluto

Secretary of Science, Technology and Productive Innovation
Lino Barañao

Head of the General Coordination Unit of the Ministry of Education, Culture, Science and Technology
Manuel Vidal

Secretary of Innovation and Quality in Education
Mercedes Miguel

Deputy Secretary of Administrative Coordination
Javier Mezzamico

National Director of Innovative Education
María Florencia Ripani

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The **Ministry of Education, Culture, Science and Technology of Argentina** presents the international congress **"Learning for the future, in the Age of Artificial Intelligence"** to accompany the curricular integration of digital education, programming and robotics for compulsory education. It is an initiative framed in the national plan of digital innovation **Aprender Conectados**, which places the country among the most advanced regarding the incorporation of knowledge for a future increasingly influenced by digitalization and artificial intelligence into formal education. The event summons specialists and representatives of the countries with the most prominent digital education policies, with the aim of strengthening teaching, exchanging experiences and developing public policy. In addition, this congress serves as a stage for the **Regional launch of the Beijing Consensus on artificial intelligence and education**, by **UNESCO.**

Organized by	Aprender Conectados	National Direction of Educational Innovation	Ministry of Education, Culture, Science and Technology
Simultaneous interpretation	Spanish, English		
Streaming	http://bit.do/AprenderFuturoVivo		
Site	http://bit.do/AprenderFuturo		

Monday, August 26th, 2019

D+E Room - Main Auditorium

8:00	**Registration**

8:45 — **Opening Act**
- Viviana Alva Hart, Jefa de Operaciones, Representante del BID en Argentina
- Alejandro Finocchiaro, PhD – Minister of Education, Culture, Science and Technology, Argentina

9:15 — **Innovation in Argentina in the AI era**

9:15 — **Innovation in Education in Argentina**
- Mercedes Miguel, Secretary of Innovation and Quality in Education, Ministry of Education, Culture, Science and Technology, Argentina

Aprender conectados in the Age of Artificial Intelligence
- María Florencia Ripani, National Director of Innovative Education, Ministry of Education, Culture, Science and Technology, Argentina

10:15 — **First Person Stories**
- Intervention of Students and teachers within the program Aprender Conectados – Early School – Lomas de Zamora de Zamora, Pcia. de Buenos Aires

10:25 — **Coffee break**

10:50 — **SESSION 1 – Curricular Integration of Programming and Robotics: International Cases**

Speakers
- Leo Pahkin, Counselor at the National Education Agency, Finland
- Alain Thillay, Chief of Digital Resources for Primary and Secondary Schools at the Digital Education Department, Ministry of Education, France
- Miles Berry, Professor at the University of Roehampton, United Kingdom
- Peter Kalberg, Director of Education at the Swedish National Innovation Agency, Sweden

Moderator

María Florencia Ripani, National Director of Innovative Education, Ministry of Education, Culture, Science and Technology, Argentina

Q&A round with the audience

12:30 — **Lunch**

Monday, August 26th, 2019

13:30	**SESSION 2 – Knowledge construction: Teaching and Learning Computer Programming and Robotics Skills**
	Speakers
	• **Hugo Guterman**, Head of Laboratory of Autonomous Robotics, Ben-Gurion University of the Negev, Israel
	• **David Mioduser**, Professor Emeritus at the Tel Aviv University, Israel
	• **Sue Sentance**, Chief Learning Officer at the Raspberry Pi Foundation, United Kingdom
	Moderator
	Mercedes Miguel, Secretary of Innovation and Quality in Education, Ministry of Education, Culture, Science and Technology, Argentina
	Q&A round with the audience
14:50	**SESSION 3 – Aprender conectados: Implementation Experiences**
	Presenter
	María Eugenia Alonso, Coordinator of Pedagogical Implementation, Innovative Education, Ministry of Education, Culture, Science and Technology, Argentina
	Moderator
	Andrea Bergamaschi, Education Senior Specialist, Social Sector, Education Division (EDU) of the Inter-American Development Bank (IDB). IDB representation in Argentina
	1 María Mercedes Aspiazú, Aprender Conectados´ Corrientes Coordinator
	2 Estafanía Zurbirgk, Aprender Conectados Río Negro´s Jurisdictional Referent
	3 Alejandro Barría, Aprender Conectados Neuquén´s Jurisdictional Referent
16:00	**Coffee break**
16:30	**First Person Stories**
	• Winners of the 1st National Marathon of Programming and Robotics 2018 - Women Category, Secondary School – Santiago del Estero
16:40	**SESSION 4 – Skills for the Age of Artificial Intelligence**
	Speakers
	• **Elena Arias**, Education Specialist, Social Sector, Education Division of the Inter-American Development Bank headquarters in Washington DC
	• **Dante Castillo**, Director of Innovative Education Policies and Practices, SUMMA Foundation, Chile
	• **Antonio Vazquez Brust**, Expert Data Analyst, University of Buenos Aires, Argentina
	Moderator
	Silvana Cataldo, Coordinator of Pedagogical Management, Innovative Education, Ministry of Education, Culture, Science and Technology, Argentina
	Q&A round with the audience
18:00	**End of day one**

Tuesday, August 27th, 2019

D+E Room - Main Auditorium

9:00	**Regional launch of the Beijing Consensus on Artificial Intelligence (AI) and Education – UNESCO**
	Speaker
	Valtencir Mendes, Educational Mobile Learning and Artificial Intelligence Project Manager, UNESCO, France
	Presenter
	María Florencia Ripani, National Director of Innovative Education, Ministry of Education, Culture, Science and Technology, Argentina
	Q&A round with the audience
9:40	**SESSION 5 - National Strategic Plan of Artificial Intelligence**
	Speakers
	Jorge Aguado, Secretary of Planning and Policy of Science, Technology and Productive Innovation, Ministry of Education, Culture, Science and Technology, Argentina
10:00	**First Person Stories**
	• Winners of the 1st National Marathon of Programming and Robotics 2018 - Category Women Primary School – Bragado, Buenos Aires
10:10	**Coffee break**
10:40	**SESSION 5- Innovation and digital education in Latin America**
	Speakers
	• Alexander Moreira, General Coordinator of Support for Basic Education Networks and Educational Infrastructure of the Ministry of Education, Brazil
	• Diana Silva, Head of the Office of Educational Innovation of the Ministry of Education, Colombia
	• Fiorella Haim, General Manager of the Ceibal Center, Uruguay
	• Marcelo Pérez Alfaro, Lead Education Specialist, Social Sector, Education Division, Inter-American Development Bank representation in Uruguay
	Moderator
	Dante Castillo, Director of Innovative Education Policies and Practices, SUMMA Foundation, Chile
	Q&A round with the audience
12:10	**First Person Stories**
	• Students winners of the National Marathon of Programming and Robotics 2018 – Secondary School – Caucete, San Juan and Buenos Aires City
12:10 - 13:00	**SESSION 6- Skills and jobs for the future I**
	Speakers
	• Javier González Casado, Head of Educational Innovation, Fundación Telefónica, Spain
	• Erika Valenzuela, Director of Special Projects and Projects, LEGO® Education, Mexico
	• Mariano Wechsler, CEO and co-Founder of Digital House and Dig Bang, Argentina

Tuesday, August 27th, 2019

12:10 - 13:00	SESSION 6- Skills and jobs for the future I

Moderator

Ricardo Spartano, Director of Computer Management, Ministry of Education, Culture, Science and Technology, Argentina

Q&A round with the audience

13:00	Lunch

Sala C1	

14:00- 15:10	SESSION 7- Skills and jobs for the future II

Speakers

- Constanza Caorsi, Head of Academic Relations IBM, Argentina
- Abby Daniell, Business Development Manager for Latin America, Amazon Web Services, EEUU
- Gabriel Dimare, Director del Equipo Rasti de Robótica Educativa, Argentina
- Sebastián Fischer, Global Sales Director, Positivo BGH, Argentina
- Mariana Freire,National Director of   Technology, Microsoft Argentina

Moderator

Ricardo Spartano, Director of Computer Management, Ministry of Education, Culture, Science and Technology, Argentina

Q&A round with the audience

Workshops

D+E Room - Main Auditorium	

14:00 - 15:30	**Curricular integration of digital education, programming and robotics: analysis of outstanding international experiences ***

Speakers

- Leo Pahkin: Counselor in the National Education Agency, Finland.
- Alain Thillay, Chief of Digital Resources for Primary and Secondary Schools at the Digital Education Department, Ministry of Education, France
- Miles Berry, Professor at the University of Roehampton, United Kingdom
- Peter Kalberg, Director of Education at the Swedish National Innovation Agency, Sweden

Closure

Hugo Labate, Director Pedagogical Coordination, Ministry of Education, Culture, Science and Technology, Argentina

Moderator

María Florencia Ripani, National Director of Innovative Education, Ministry of Education, Culture, Science and Technology, Argentina

* Workshop for jurisdictional officials

C1 Room

| 15:10 - 15:40 | 360 Experience Aprender Conectados: learning with VR |

C2 Room

| 15:10 - 15:40 | Learning Resources: Pedagogical Implementation of the Educational Series Aprender Conectados and micro learning collection |

C3 Room

| 14:00 - 16:30 | Aprender Conectados experience area |

| 16:00 - 16:30 | Coffee break |

D+E Room - Main Auditorium

| 16:30 - 18:00 | **Programming and robotics at the Early Level** **Speaker** • David Mioduser, Professor Emeritus at the Tel Aviv University, Israel • **Closure:** Presentation of Aprender Conectados resources for the Early School level |

C1 Room

| 16:30 - 17:30 | **Aprender Conectados - Primary School level** • **Scratch: Programming and Robotics Activities Collection** |

C2 Room

| 16:30 - 17:30 | **Aprender Conectados – Secondary School Level** • **Programming with Raspberry Pi** Sue Sentance, Chief Learning Officer at the Raspberry Pi Foundation, United Kingdom • **Python: Programming and Robotics Activities Collection** |

C3 Room

| 16:30 - 18:00 | Aprender Conectados experience area |