

# Workshop: Advances in STEAM Education, looking for future synergies

April 19, 2022

Participants: Tomás Recio, Pilar Vélez (U. Nebrija); Eugenio Roanes, Miriam Méndez (U. Complutense); Janika Leoste (Tallinn U.); Zoltán Kóvacs (Private U. of Education, Linz); Belén Palop (U. Valladolid); José Diego, Zaira Ortiz ( U. Cantabria); Piedad Tolmos, Ana I. Cid, Rocío Guede, Luís Pastor , Elena Peribáñez, José San Martín (U. Rey Juan Carlos)

11:00 - 11:10 Wellcome (Piedad Tolmos, Luís Pastor, URJC)

11:10 - 11:30 From impact factor to real word impact in STEAM education research: Tallinn University case (Janika Leoste, Tallinn University).

11.30- 11:50 Niagara Falls and the Origins of Computer Algebra (Tomás Recio, Pilar Vélez, Universidad de Nebrija).

11:50: 12:10 Implementation of STEAM activities at regular schools: the importance of belonging to a diverse learning community (José M. Diego, Universidad de Cantabria).

12:10-12.30 News and projects from the research group UVaSTEAM (Belén Palop, Universidad de Valladolid).

12:30-13.00 Coffee break

12:30-12.50 Some STEM activities and experiences developed in the Faculty of Education at UCM (Eugenio Roanes, Universidad Complutense de Madrid).

12:50-13.00 LEGO kit for prospective math teachers (Zoltán Kovács's video)

13.00-13:20 Educational activities in Primary and Kindergarten supported by digital technologies (Luís Pastor, Universidad Rey Juan Carlos)

13:20-13:40 STEAM experiences with pre-service teachers at URJC's Master on teachers training (Piedad Tolmos, Universidad Rey Juan Carlos)

13:40 – 14:50 Working lunch: looking for future synergies