

Preface

Exploring Educational Robots and Robotics for Learning and Development. The 2nd International Workshop of the EATEL SIG EduRobotX 2024

16-20 September 2024, Krems, Austria

<https://ea-tel.eu/sig/edurobotx/edurobotx2024>

Welcome to the proceedings of the 2nd International Workshop on Educational Robots and Robotics for Learning and Development (EduRobotX 2024), held on 17th September, 2024, in Krems, Austria, as part of the European Conference on Technology Enhanced Learning (EC-TEL), which took place from September 16 to 20 2024. This workshop was organized by the Special Interest Group EduRobotX at the European Association of Technology-Enhanced Learning (EATEL), which brings together researchers, educators, and technologists with a shared interest in advancing the role of robotics in education.

EduRobotX 2024 offered a space for exploring the intersection of robots and robotics, education, psychology, artificial intelligence (AI), and human-robot interaction (HRI). The workshop highlighted both theoretical frameworks and practical applications that inform the design, implementation, and evaluation of educational robots and robotics across diverse learning settings in different educational contexts.

The aim of the workshop was to foster interdisciplinary dialogue and collaboration that can shape future research directions and support innovation in teaching and learning with robots. In this edition, we compiled a collection of short papers which provide an overview of innovative practices and ideas, extending the impact of the workshop beyond the event.

We received nine submissions, out of which seven high-quality short papers were accepted for publication. These contributions reflect the diversity of current work in educational robots and robotics, ranging from pedagogical design to technical development and classroom implementation.

We would like to thank all authors for their valuable contributions and the members of the Programme Committee for their thoughtful reviews and support in shaping the workshop.

Special thanks to all workshop participants for the engaging discussions and inspiring exchange of ideas that make EduRobotX a growing and dynamic community.

We hope this collection will contribute to ongoing efforts in advancing the use of robots for inclusive, effective, and engaging education!

Prof. Ilona Buchem,
Berlin University of Applied Sciences, Germany

Programme Committee:

Aino Ahtinen, Tampere University, Finland

Rinat Rosenberg-Kima, Technion – Israel Institute of Technology, Israel

María Zapata-Cáceres, University Rey Juan Carlos, Spain

Estefanía Martín-Barroso, University Rey Juan Carlos, Spain

Christian Glahn, ZHAW Zurich University of Applied Sciences, Switzerland

Workshop Organizers:

Ilona Buchem, Berlin University of Applied Sciences, Germany

Nardie Fanchamps, Open University of the Netherlands

Maria Perifanou, University of Macedonia, Greece