

# ARC

Automated Reasoning in the Class

## Key persons:

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## AIM

The project ARC (Automated Reasoning in the Class) aims at developing teaching material (text and software) and good practice recommendations for using automated reasoning tools in university teaching of Mathematical Logic, Automated Theorem Proving, Formal Methods, and related subjects.

The project is funded by the European Commission in the frame of the Erasmus+ programme.

The main objective of the project is to improve the education of Computer Science students in fields related to Computational Logic, by creating innovative and advanced learning material that uses Automated Reasoning and by training a large number of academic staff in using this in a modern way. Consequently, this will increase the knowledge and skills of Computer Science graduates in Computational Logic, and this will have a positive impact on the safety and reliability of software.



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Automated Reasoning  
in the Class

2019-2022

[www.arc.info.uvt.ro](http://www.arc.info.uvt.ro)



## Partners:





Erasmus+

## Intellectual output

The main output of the ARC project is the ARC book with the title “Computational Logic: A Practical Approach” together with the tools.

This book is dedicated to Computational Logic and contains: course material (text) integrated with interactive exercises and demonstrations, software tools to run the exercises, and best-practice recommendations to run the lectures, based on advanced pedagogical principles as Problem Based Learning and Project Centered Learning. The chapters of the book correspond to actual and planned lectures at the partner institutions.

## ARC book & tools

For accessing the ARC book and the tools, please subscribe and you will receive all the content via e-mail.

## SUBSCRIBE



## Organized events:

- **Training in Theorema (online)**  
**Hosting institution:** Johannes Kepler University, Linz, Austria  
**Period:** 23.03.2020 – 29.03.2020
- **Training in SMT (online)**  
**Hosting institution:** RWTH, Aachen University, Germany  
**Period:** 19.05.2021 – 04.06.2021
- **Training in Problem based Learning**  
**Hosting institution:** West University of Timisoara, Romania  
**Period:** 30.08.2021 – 03.09.2021
- **Training in SAT**  
**Hosting institution:** Eszterhazy Karoly Catholic University, Eger, Hungary  
**Period:** 29.11.2021 – 05.12.2021
- **Training in Coq**  
**Hosting institution:** Universite de Lorraine, Metz, France  
**Period:** 21.03.2022 – 25.03.2022
- **International Summer School on Computational Logic**  
**Hosting institution:** Johannes Kepler University, Linz, Austria  
**Period:** 04.07.2022 – 08.07.2022
- **International Symposium on ARC**  
**Hosting institution:** West University of Timisoara, Romania  
**Period:** 18.07.2022 – 19.07.2022