

ITUEVENT

# Accelerating Digital Transformation

*Building Vibrant ICT Centric  
Innovation Ecosystems*

Monday 19 March 2018  
Room C1, ITU, Geneva

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ITU REGIONAL INITIATIVE FOR EUROPE ON ICT-CENTRIC INNOVATION ECOSYSTEMS

SESSION 2

GOOD PRACTICES FOR ACCELERATING DIGITAL TRANSFORMATION

## Daniel Semkowicz

- **Robotic Chessboard**  
"KoNaR" Scientific Robotics Circle  
Wrocław University of Science and Technology











Innovation Track  
@ WSIS Forum

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17 PARTNERSHIPS FOR THE GOALS



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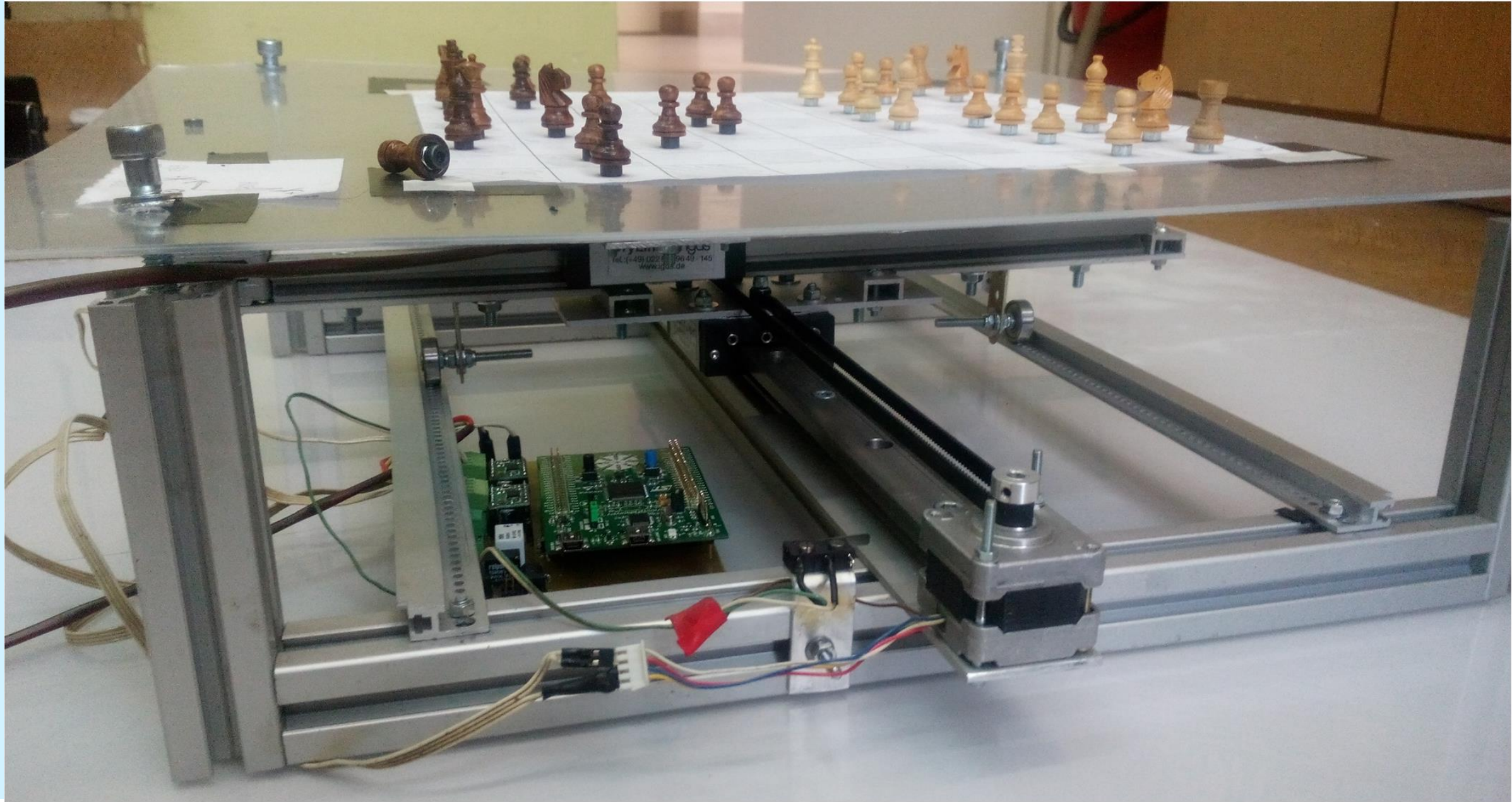
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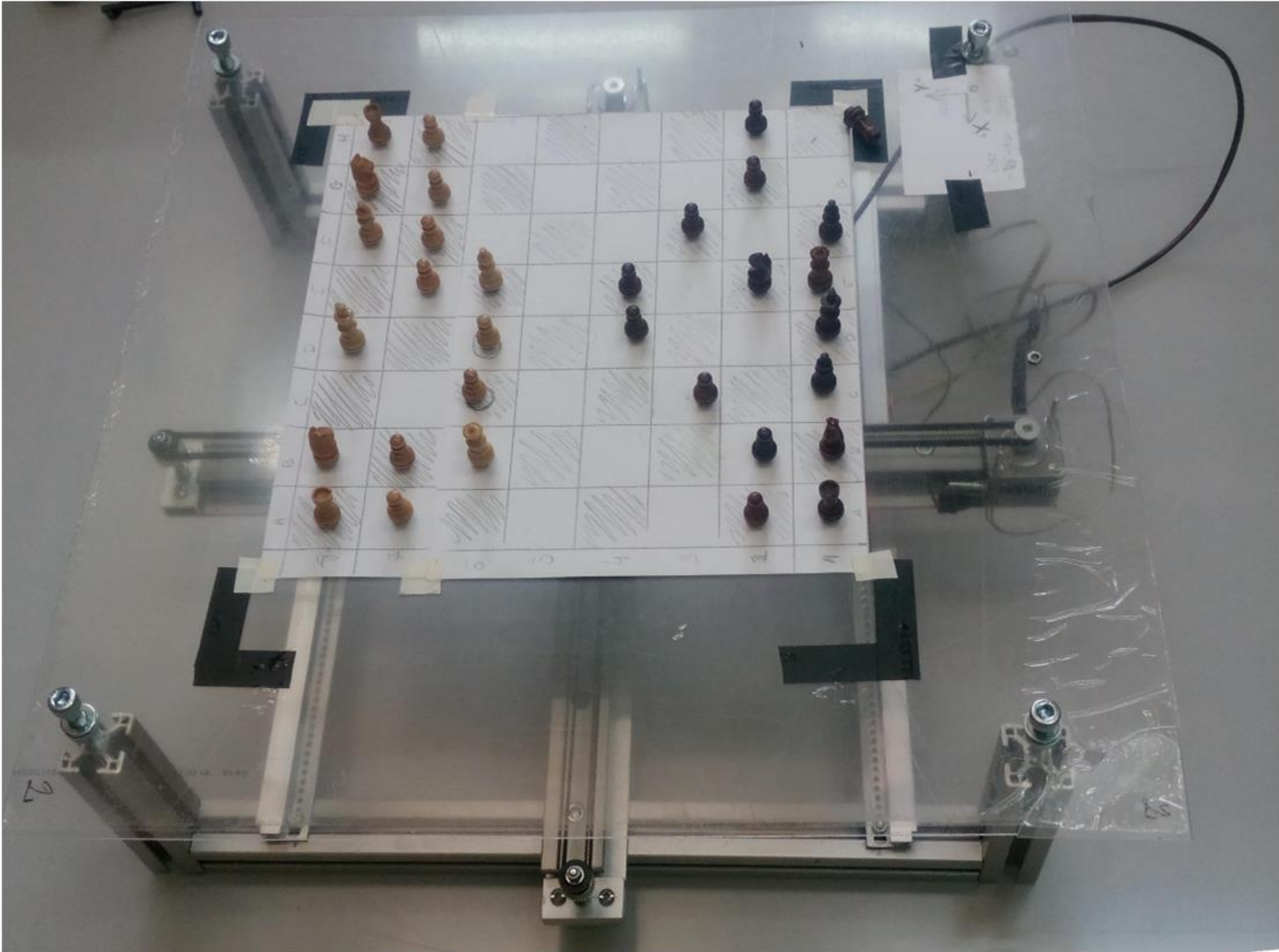


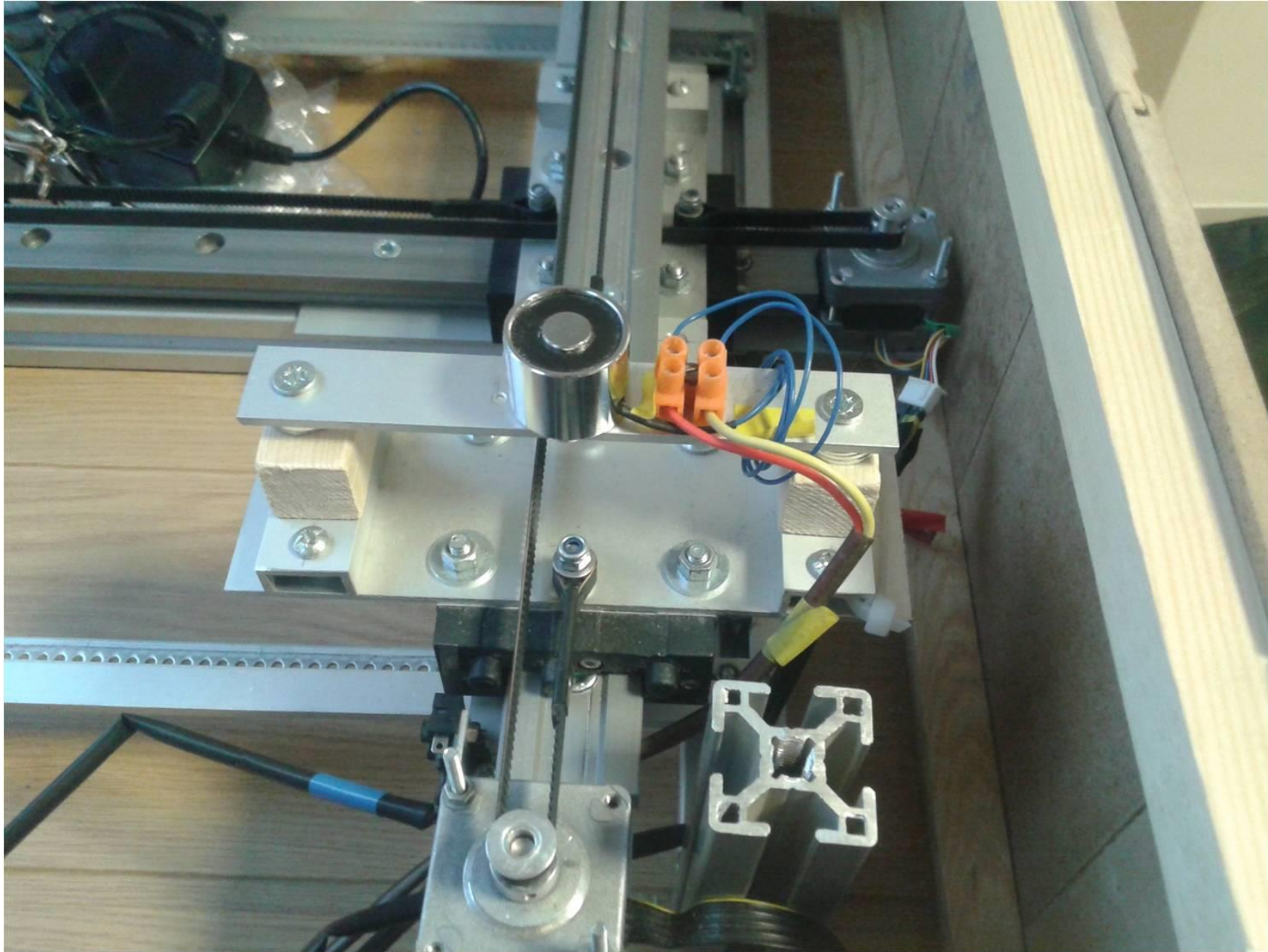
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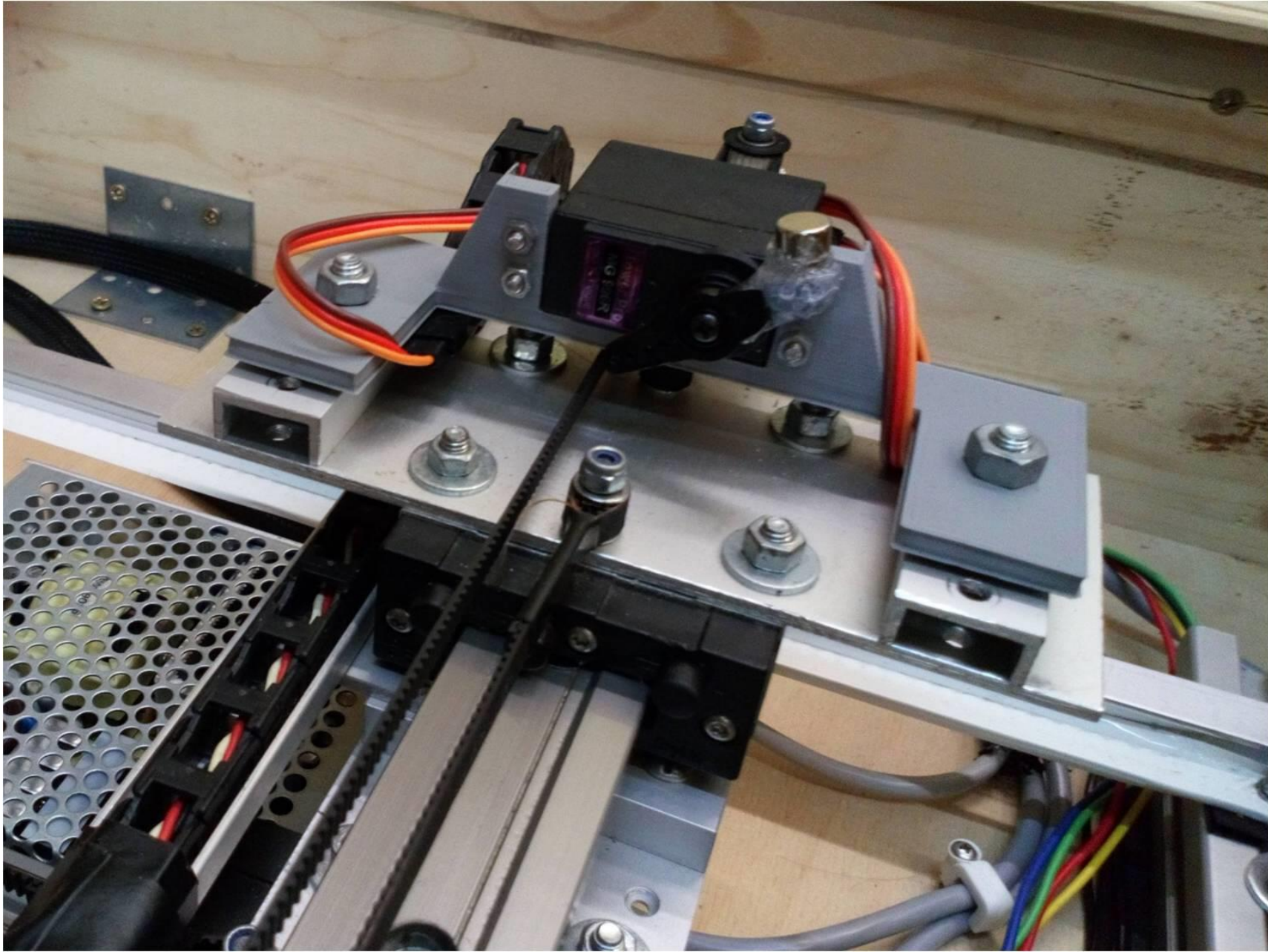
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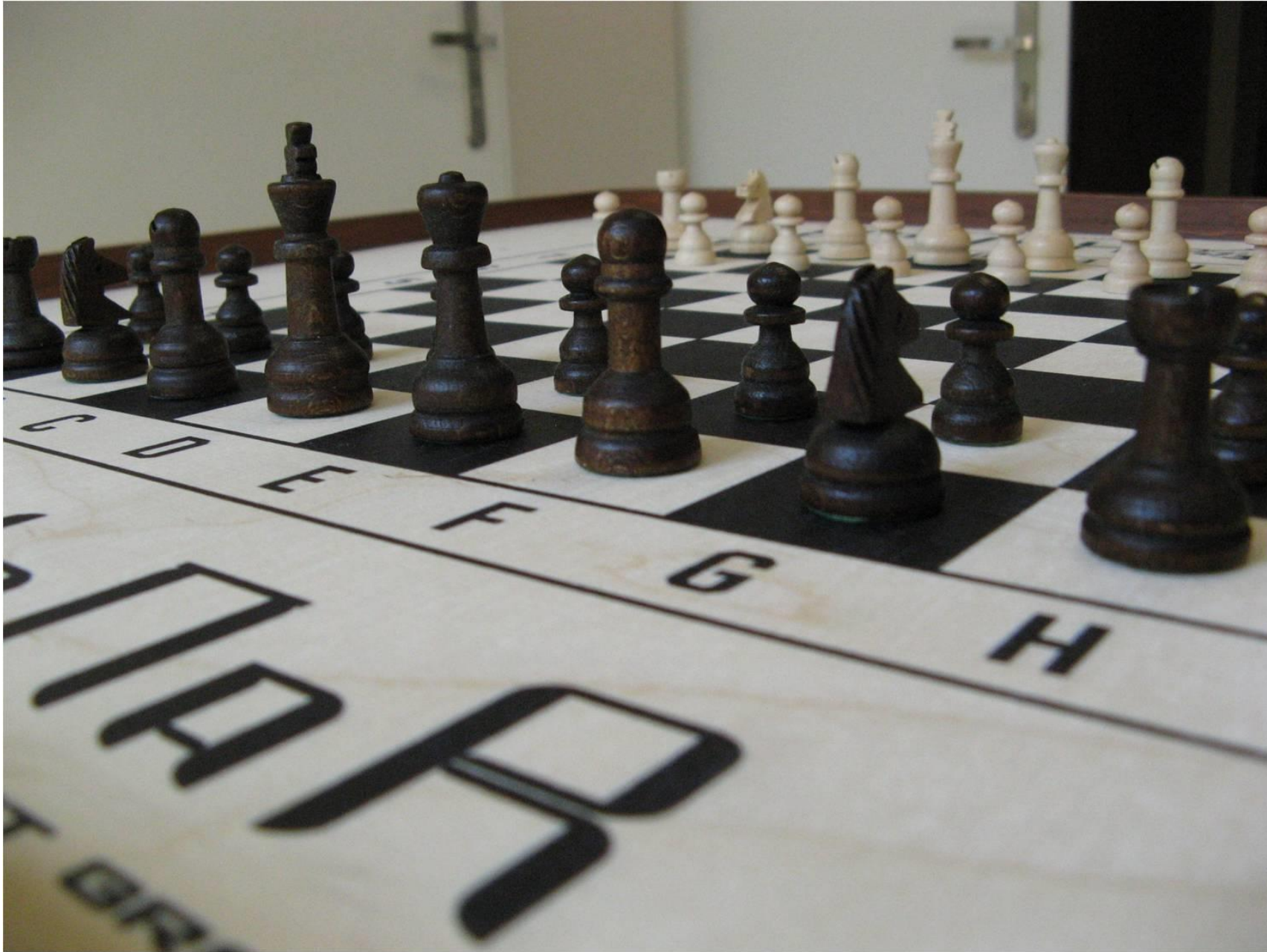


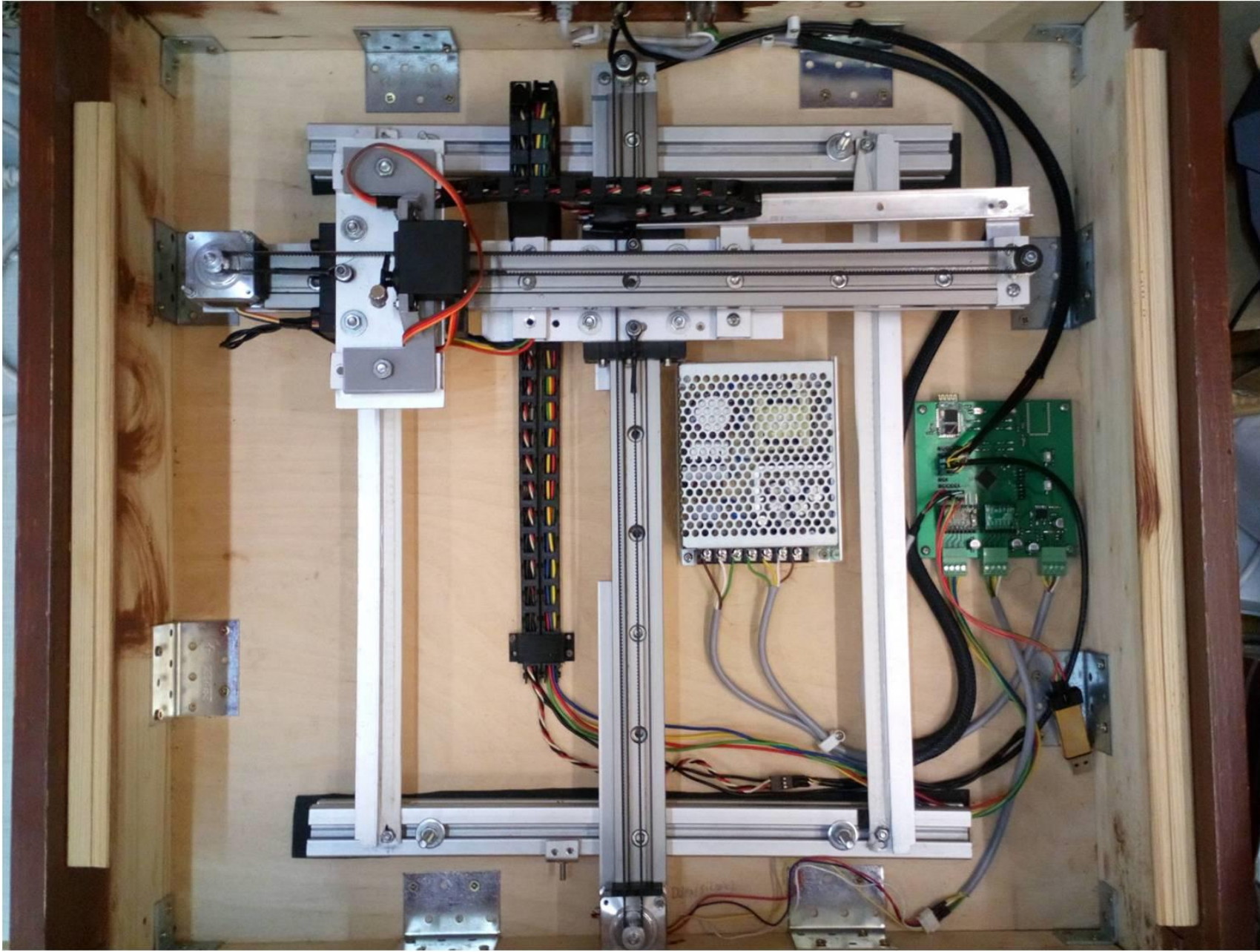


























PRACTICE

**Robotic Chessboard**

Wrocław University of Science and Technology, Poland  
 Non-contact chess game with artificial intelligence and simultaneous transmission

• Name / Organization • Country • Tagline, 1-3 sentence description

TYPE



Guiding Innovation Dynamics



Building Innovation Capacity



ICT Integration into Key Sectors

Indicate main focus area / type

X

**GOVERNANCE**

- Wrocław University of Science and Technology
- "KoNaR" Scientific Robotics Circle

• Organiz. structure • Management & Institutional framework • Competencies

**KEY ACTIVITIES**

- "KoNaR" Scientific Robotics Circle brings together people interested in the field of robot control, artificial intelligence, programming of microcontrollers, sensory systems, executive systems, Internet of Things and smart homes. The scientific club is focus on designing, construction and engineering as well as research and scientific activities. KoNaR organizes seminars and robotics workshops, as well as takes part in many popularizing activities in which topics related to robotics are promoted

• Mechanisms • Processes • Activities • Events

**GOALS**

- Improvement of training quality in chess
- Introduction of technology to classical entertainment
- Allow the disabled people to actively participate in chess tournaments
- Encourage young people to intellectual activity
- Innovation

• Objective • Target stakeholders • Desired outcome for ecosystem

**RESOURCES**

- "KoNaR" Scientific Robotics Circle
- Mateusz Michalak
  - Jędrzej Boczar
  - Piotr Portasiak
  - Daniel Semkowicz

• Financial • Non-financial • Sources • Partners

**ACHIEVEMENTS**

- Gold medal at Robot Challenge Beijing 2017 competition

• Results • Evidence of impact • Scalability • Replicability