

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

Grzegorz Iskierka

Scanⁿ

„REVIR3D" Science Club

Wrocław University of Technology



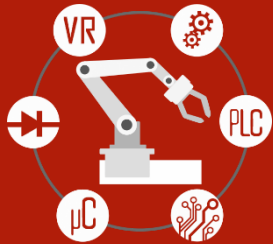
UKE

Office of Electronic
Communications





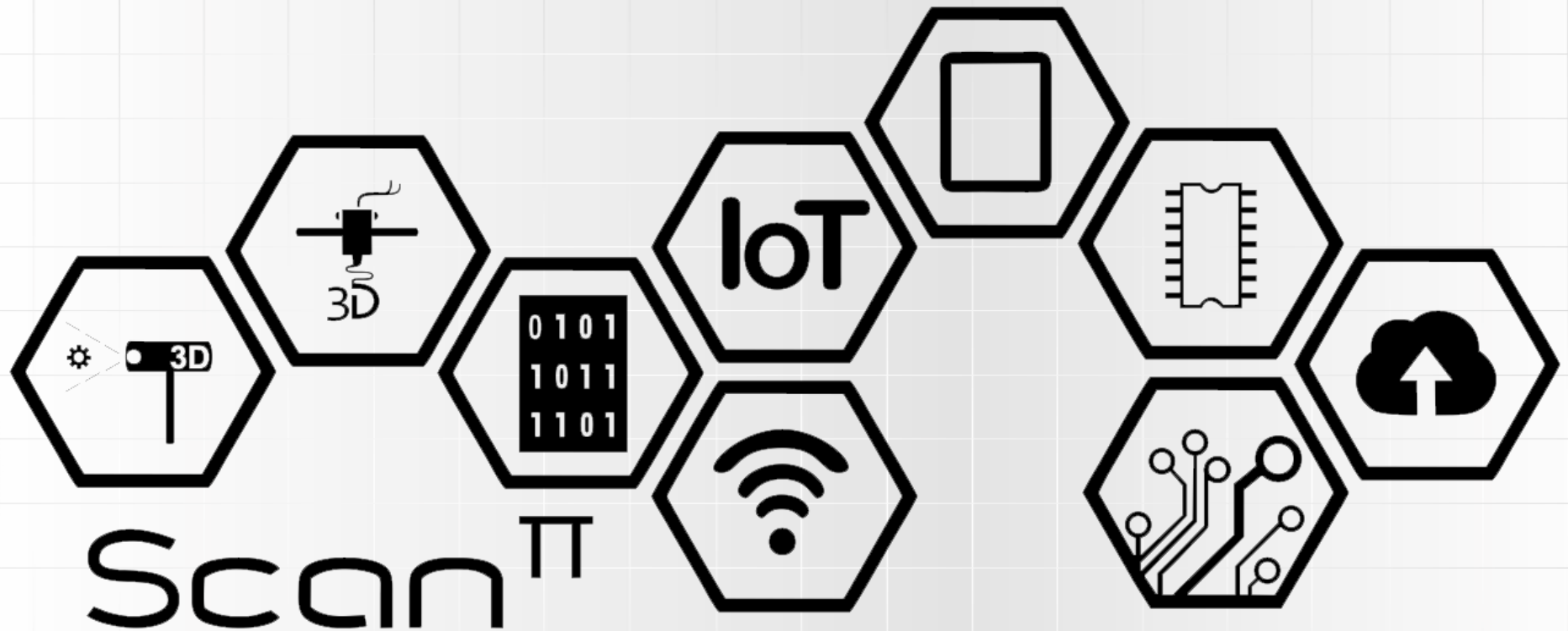
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University
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and Technology



REVIR 3D



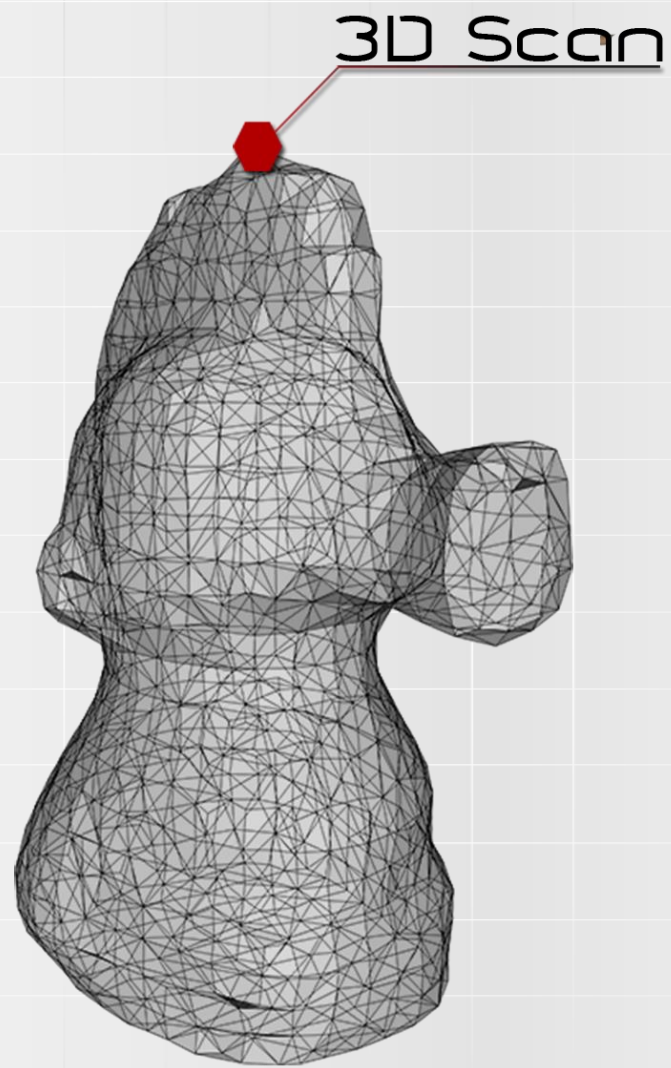
HR EXCELLENCE IN RESEARCH



Grzegorz Iskierka, B.Eng.
Bartosz Poskart, B.Eng.
Maciej Habiniak, M.Eng.

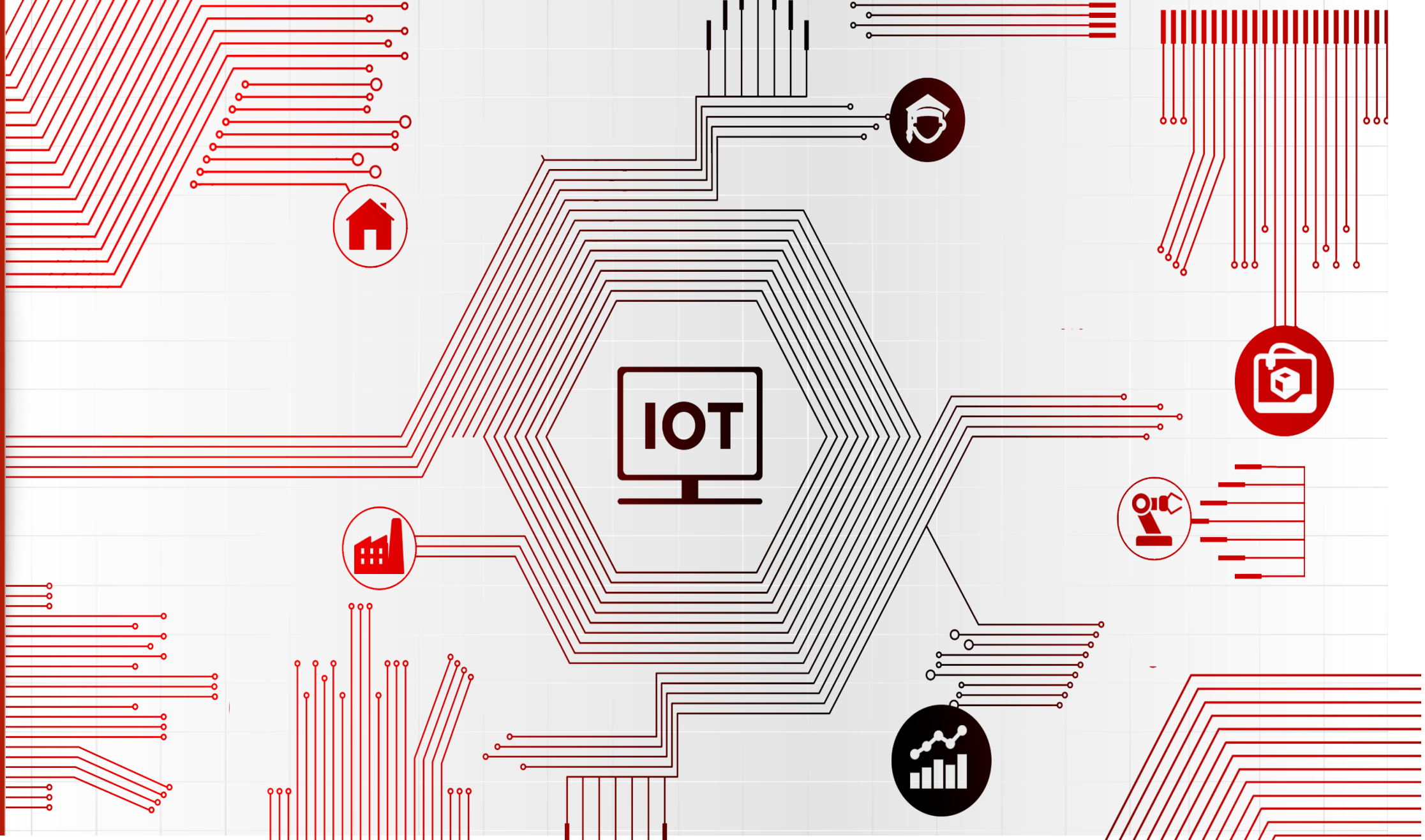
Supervisors:
Paweł Krowicki, Ph.D.
Tomasz Będza, Ph.D.







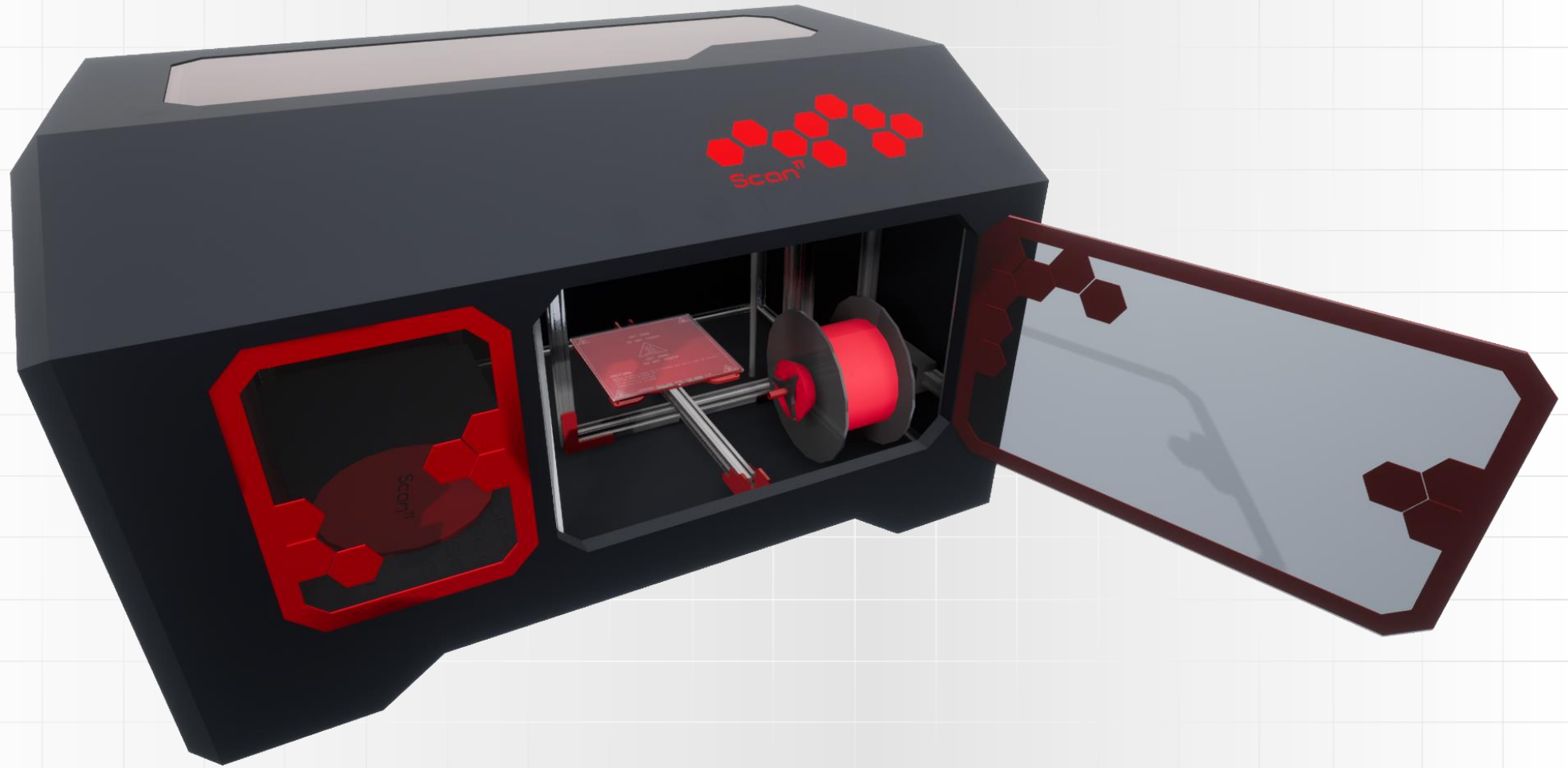
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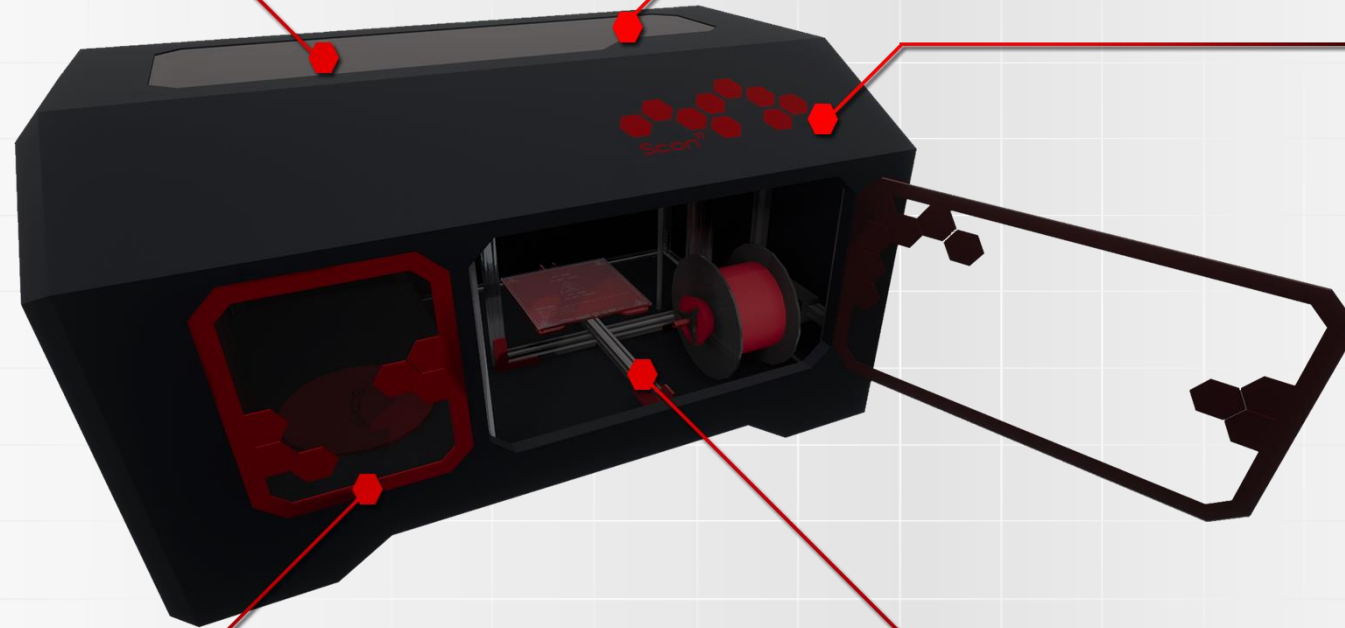
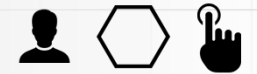
AR interactive manual & visualisation



Cloud server



Touch UI



3D scanning



3D printing



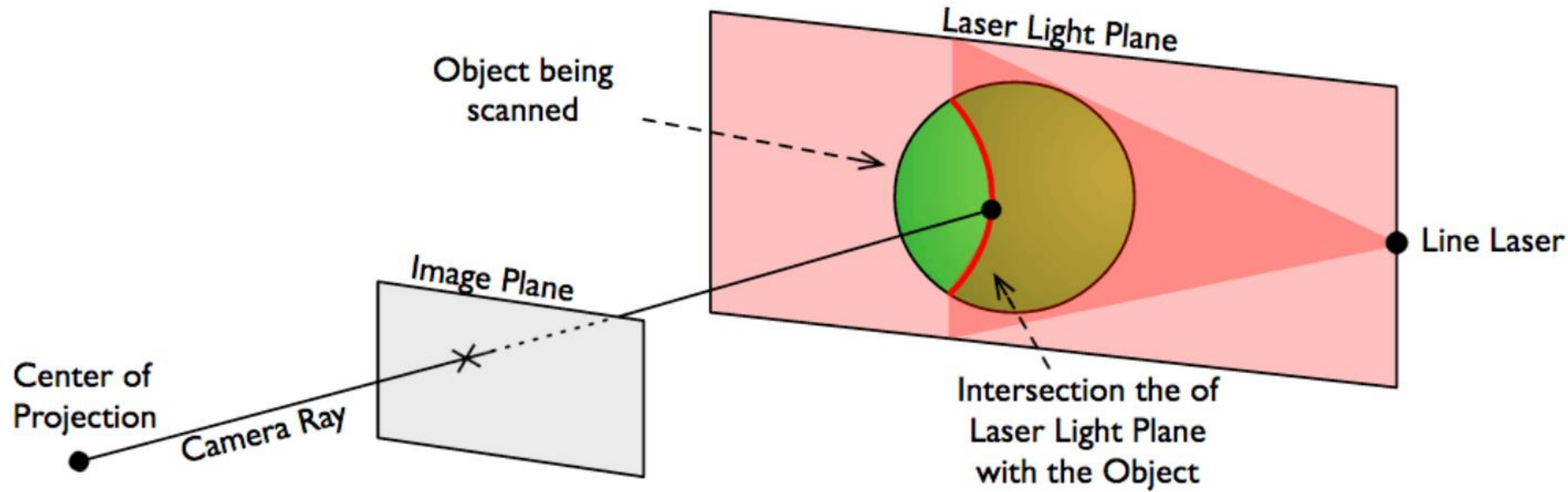
Industry

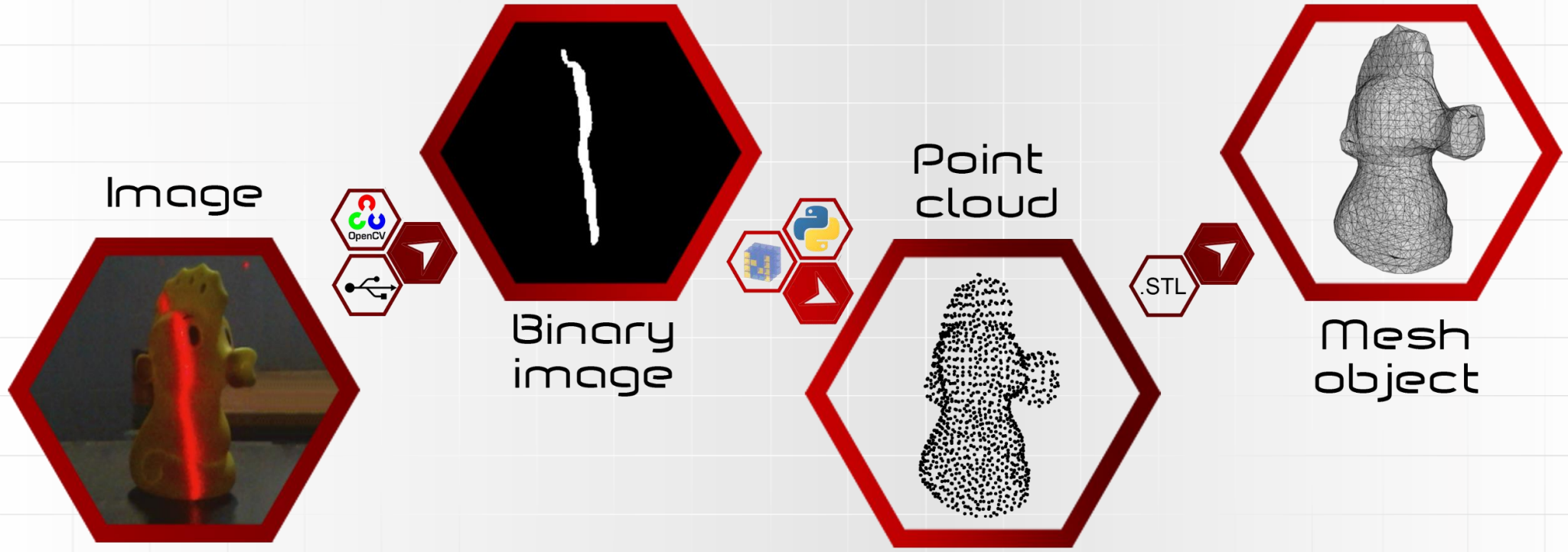


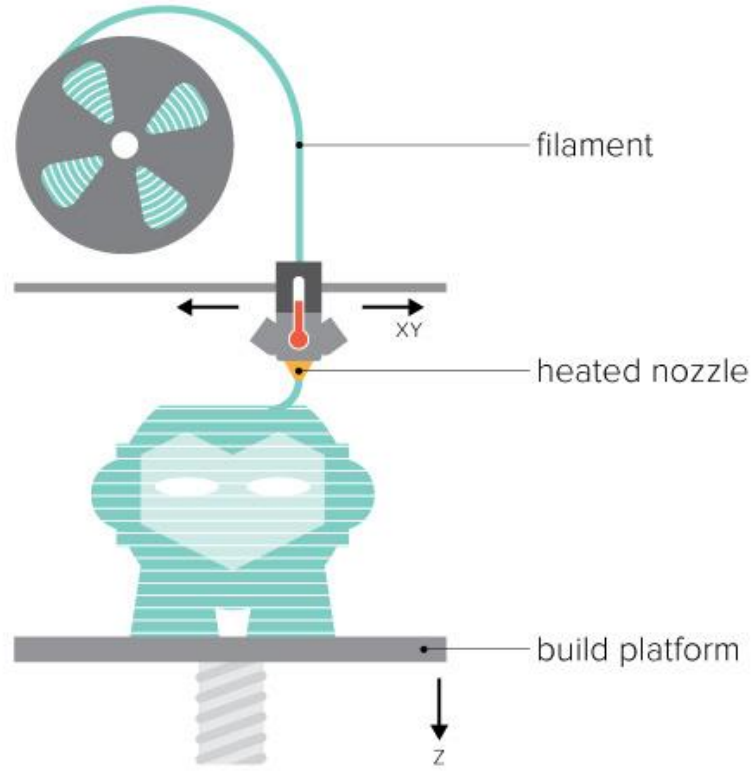
Academia

Society

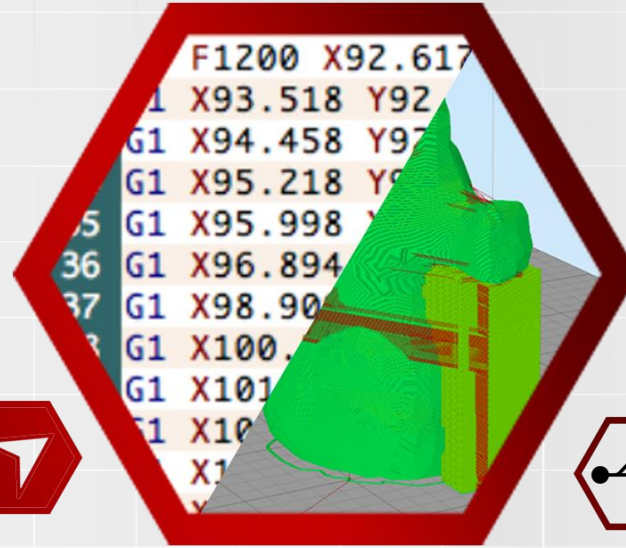
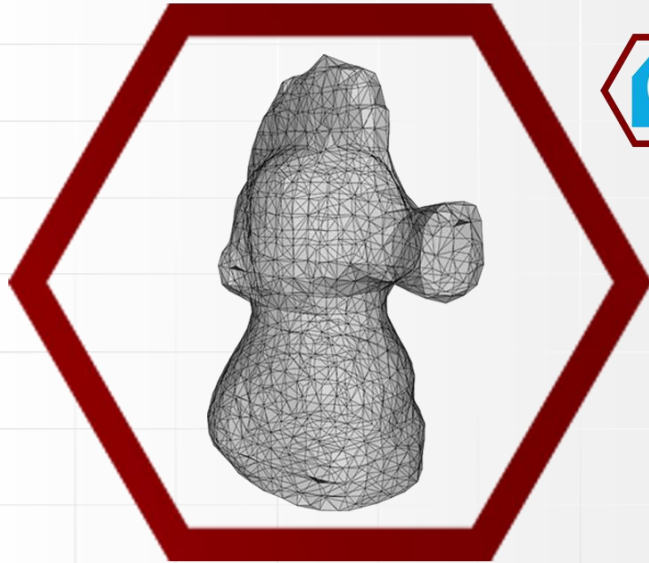






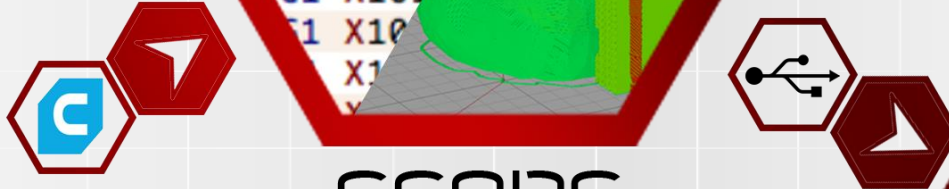


Mesh object



GCODE

Printed object





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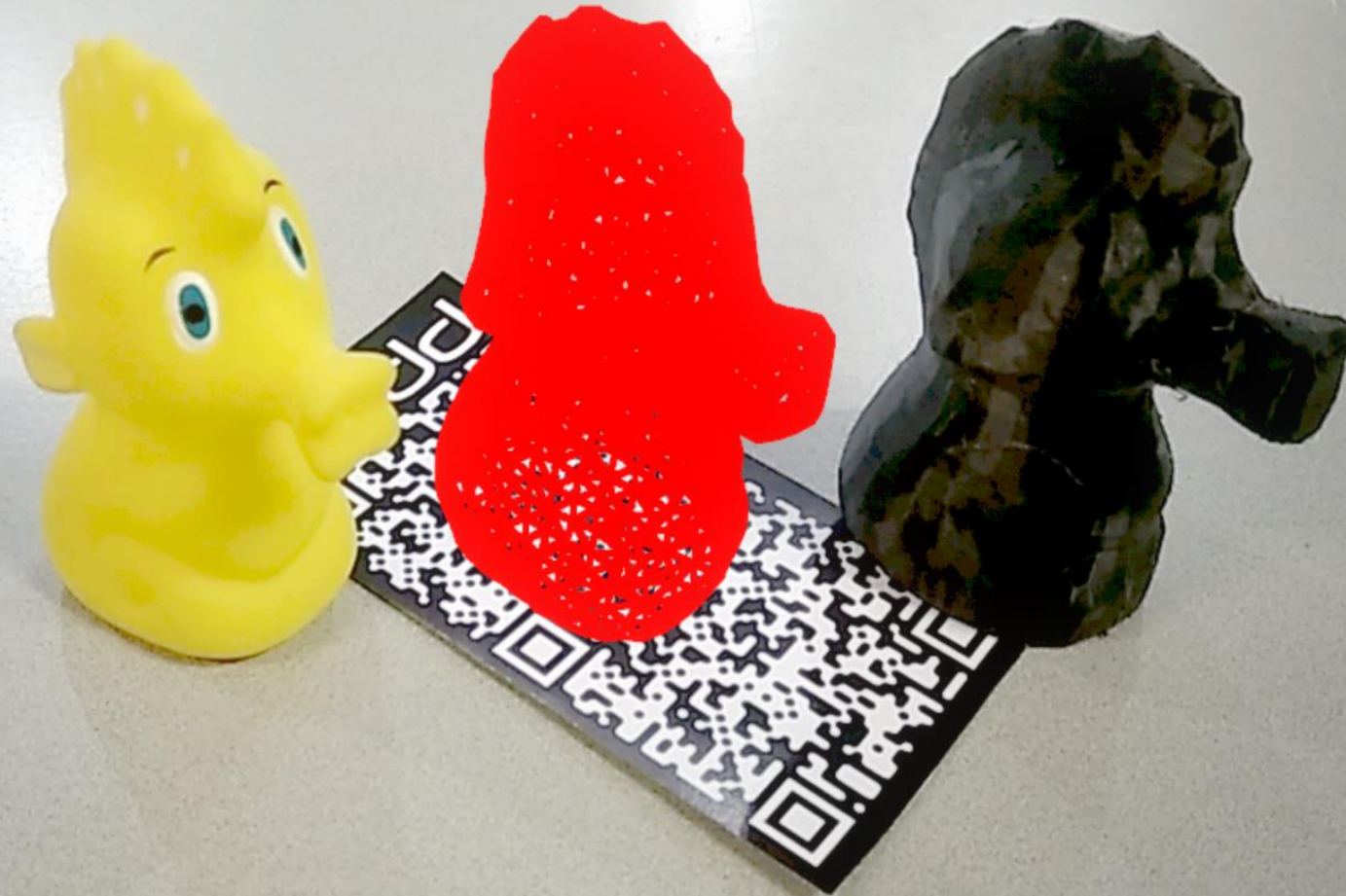


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GOOD PRACTICES FOR ACCELERATING DIGITAL TRANSFORMATION



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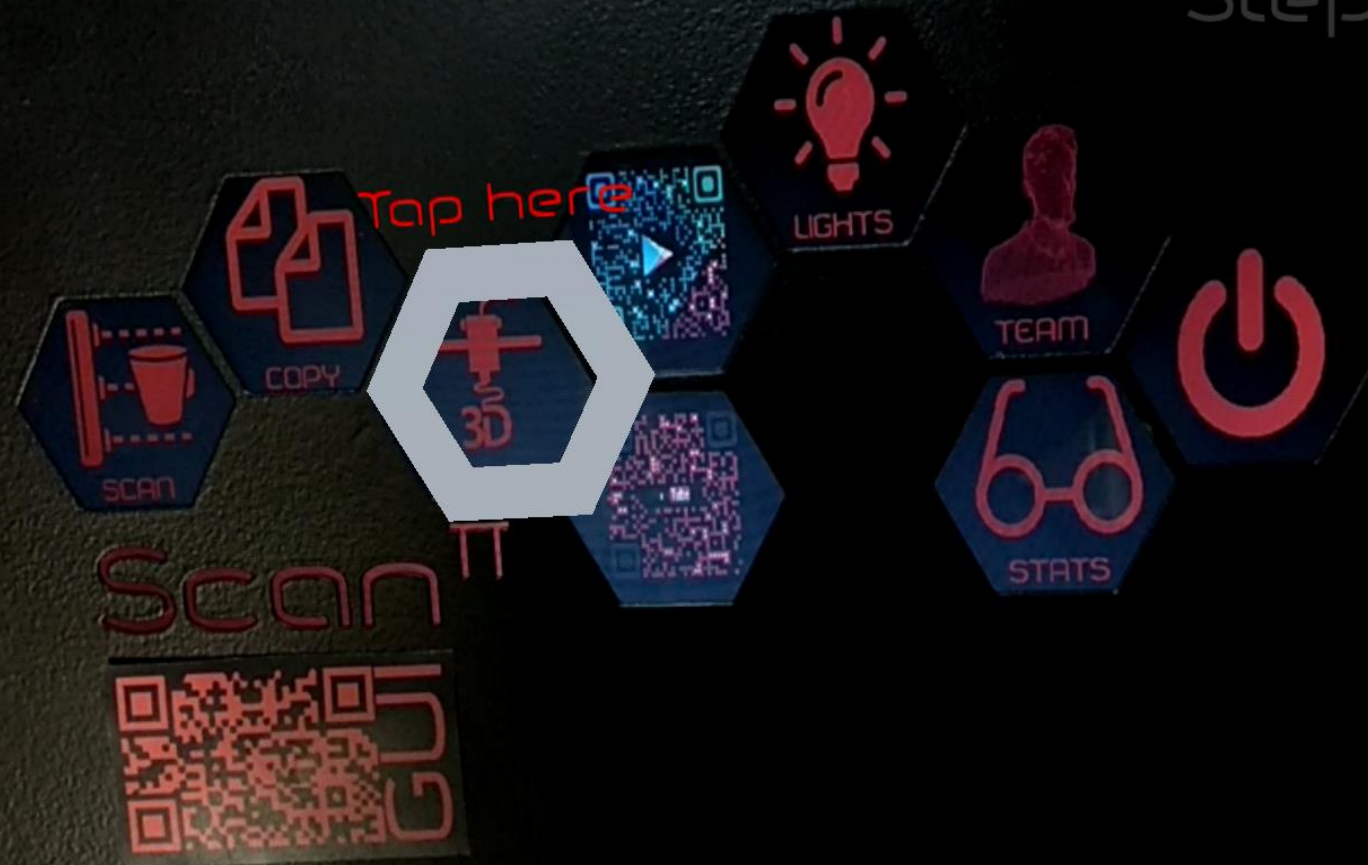


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Print tutorial

Step 2 / 7



Next step



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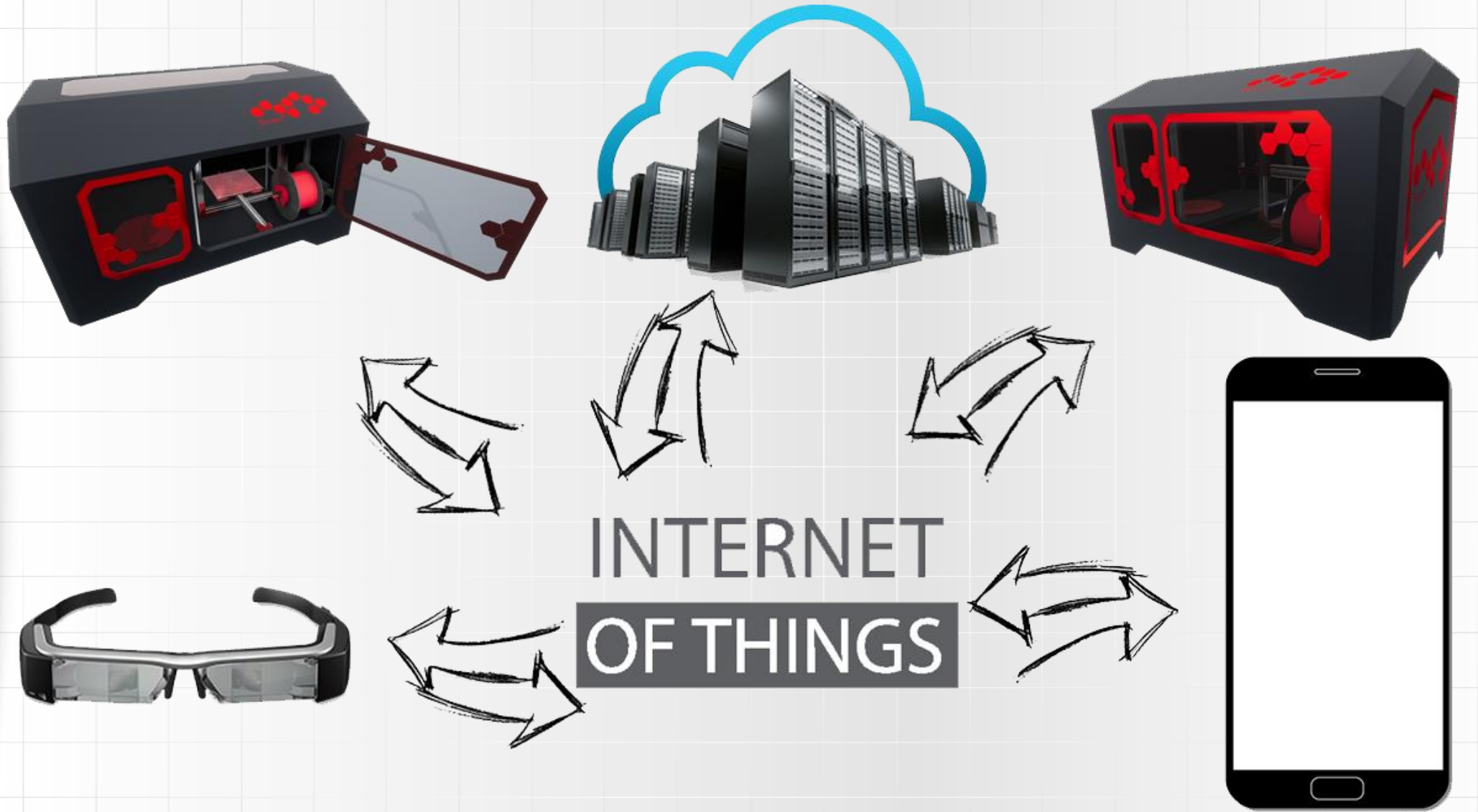
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17 PARTNERSHIPS FOR THE GOALS









PHOENIX CONTACT





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PRACTICE

Scan^π

Wrocław University of Technology, Poland
 Integrated scanner and 3D printer – simultaneous scanning and printing of 3D elements in IoT reality

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

TYPE



Guiding
Innovation
Dynamics



Building
Innovation
Capacity



ICT Integra-
tion into
Key Sectors

Indicate main focus area / type

X

GOVERNANCE

- Wrocław University of Technology
- „REVIR 3D" Science Club

• Organiz. structure • Management & Institutional framework • Competencies

KEY ACTIVITIES

REVIR3D - a scientific club that brings together people interested in modern technologies (reverse engineering and virtual reality), machine construction (both from the mechanical, electronic or programming aspect), 3D CAD modeling and the broadly understood automation of machines and processes

• Mechanisms • Processes • Activities • Events

GOALS

- Innovation

• Objective • Target stakeholders • Desired outcome for ecosystem

RESOURCES

„REVIR 3D" Science Club

- Grzegorz Iskierka, B.Eng.
- Bartosz Poskart, B.Eng.
- Maciej Habiniak, M.Eng.

Supervisors:

- Paweł Krowicki, Ph.D.
- Tomasz Będza, Ph.D.

• Financial • Non-financial • Sources • Partners

ACHIEVEMENTS

- Participation in Xplore New Automation Award (by Phoenix Contact)

• Results • Evidence of impact • Scalability • Replicability