

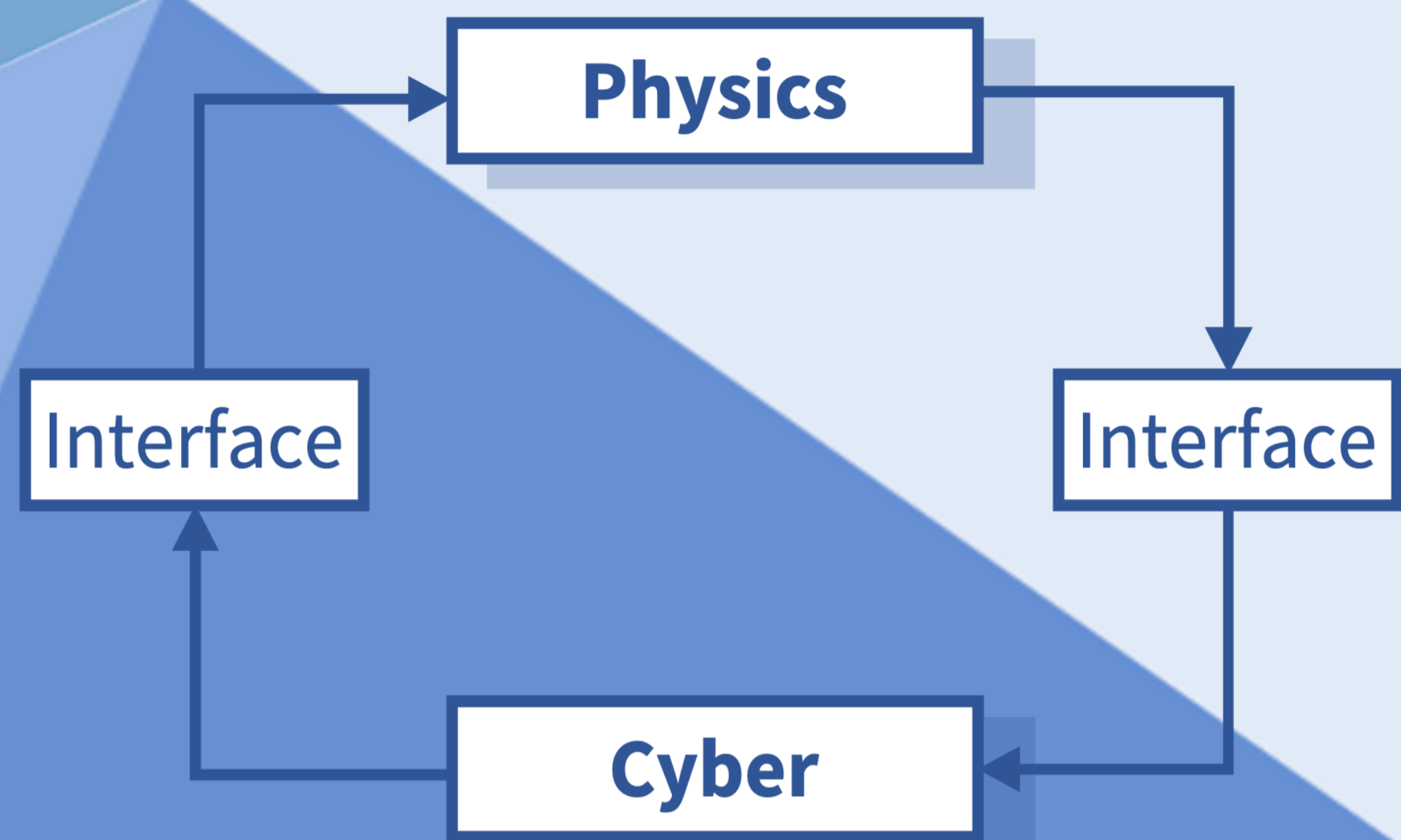


Cyber Physical Production Systems

❖ CPPS

A Cyber Physical Production System is a combination of **physical** components - hardware with **cyber** components tightly networked.

- Real-time data acquisition from the physical world and information feedback from the cyber space.
- Big data analysis and computational capability that constructs the cyber space.



❖ Project

This project aims to make available to students and young researchers didactic materials through an end-to-end **online course** regarding **CPPS** to educate them about the challenges of the new technologies of **Industry 4.0**.

❖ Objective

A GLP course regarding CPPS topics, where each topic is covered in a module. The course will be based in **video tutorials** for theoretical presentation of topics, and practical **hands-on exercises**, for code management, deployment and testing.

❖ Topics



❖ Expected Impact

- ✓ Motivate students to develop applications to tackle real problems in current industrial scenarios.
- ✓ Students with developed skills in these topics.
- ✓ Students with good practices regarding source code management.



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CPPS 101 Project



CPPS EIT Project

<http://cpps101.eu>



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