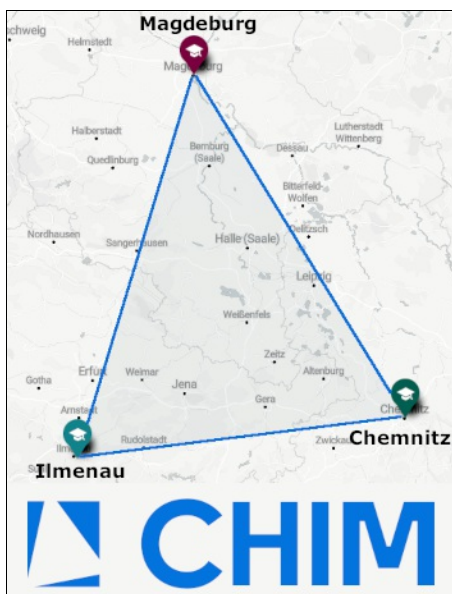


PRODUCTIVE TEAMING

Welcome to the website of the research cluster **Productive Teaming**

Artificial intelligence has made tremendous advances in the last decade. Prominent examples include vision based approaches (which are the basis of most driver assistance systems) and transformer based approaches (which are the basis of modern chat and text understanding systems).

However, none of these approaches yet **aims at understanding and interpreting cognitive processes of humans**. Productive teaming is a first step towards this aim. While cognitive processes in general are a huge area, in productive teaming the restriction to production processes and human machine teaming allows for advancing the concept in general as well as achieving results for society early.



Technically, Productive Teaming **requires to understand cognitive and decision making processes, to measure and interpret actions and contexts as well as to develop reasoning strategies**. The three universities TU Chemnitz, TU Ilmenau and OVGU Magdeburg agreed to bring together their best researchers to tackle this problem. TU Chemnitz has a strong background in Cognitive Science and Psychology, while TU Ilmenau is known for its expertise in sensorics. OVGU builds upon its strategic focus on artificial intelligence. Thus, Productive Teaming is synergistically supported by other activities of OVGU like OVGU's regular „Roundtable AI“, the inter-university study program „AI in Engineering“, the DFG-SFB „Hybrid Teams“ (under review) and also the brand new research focus „Arbeitswelt 4.0“ as part of the extension of Magdeburg's Fraunhofer IFF.

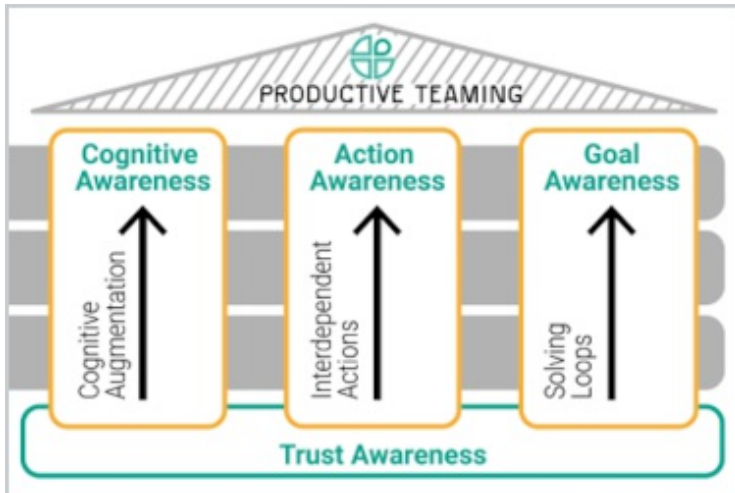
The project is based on 15 years of strategic joint research of **TU Chemnitz, TU Ilmenau and Otto-von-Guericke-University Magdeburg** which started with an agreement of collaboration in 2008 and is now a living and active cross-university activity: **► The Chemnitz-Ilmenau-Magdeburg Research and Innovation Network (CHIM)** (<https://forschungsnetzwerk-chim.de/en/productive-teaming/>).

Cluster



- Research Groups
- Steering Committee

Research



- ▶ Action Awareness
- ▶ Goal Awareness
- ▶ Cognitive Awareness
- ▶ Trust Awareness

Contact



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Spokespersons at TU Chemnitz



Spokespersons at TU Ilmenau



News

13.10.2023

Forschungs- und Innovationsnetzwerk Chemnitz-Ilmenau-Magdeburg (CHIM) intensiviert Kooperation

21.09.2023

Im neuen Videobeitrag der TU Ilmenau „Forscher im Gespräch“ dreht sich alles um Productive Teaming

13.09.2023

Zukunft der menschlichen Maschinen-Kollaboration in der Produktion

15.08.2023

Productive Teaming at the 60th Ilmenau Scientific Colloquium 2023

24.04.2023

Productive Teaming Panel @Hannovermesse 2023

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