**Description / Expertise offer description:**

The team surrounding Prof. Dr. Torsten Munkelt of the HTW (Hochschule für Technik und Wirtschaft) Dresden has extensive knowledge in the field of self-organising production and industry 4.0, as well as E-Learning and E-Assessment. Previous projects in the E-Assessment domain include ALADIN (Tasks and solution (hints) generator with topics derived from informatics and neighbouring domains), ALADIN II and OPALADIN (ALADIN goes OPAL). We provide expertise in metamodelling, graph theory and graph rewriting, natural language processing and generating assessments and open educational resources for various domains (e.g. UML, Business Process Modelling, Databases, Software Engineering, Production Economics, …), as well as generating assessment-generators, software development and model validation. We have gained significant experience in E-Learning didactics and pedagogy by the implementation of Gamification elements and task adaption for individual student requirements.

**Tags/Keywords:**

Task Generation, Generation of Task Generators, Metamodel, OER (Open Educational Resources), E-Learning, Serious Games, Gamification, E-Assessment, Model Validation, Software Development, LMS, Simulation, Graph Theory, Graph Rewriting, Graph Grammar, NLP (Natural Language Processing), Business Process Modelling, Unified Modelling Language

**Proposals:**

* [ERASMUS-EDU-2023-PI-FORWARD-LOT1](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2023-pi-forward-lot1;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1,0;statusCodes=31094501,31094502;programmePeriod=2021%20-%202027;programCcm2Id=43353764;programDivisionCode=null;focusAreaCode=null;destinationGroup=null;missionGroup=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=sortStatus;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState)
* [ERASMUS-EDU-2023-PI-FORWARD-LOT2](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2023-pi-forward-lot2;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1,0;statusCodes=31094501,31094502;programmePeriod=2021%20-%202027;programCcm2Id=43353764;programDivisionCode=null;focusAreaCode=null;destinationGroup=null;missionGroup=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=sortStatus;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState)
* [ERASMUS-EDU-2023-PI-FORWARD-LOT3](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2023-pi-forward-lot3;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1,2;statusCodes=31094502;programmePeriod=null;programCcm2Id=null;programDivisionCode=null;focusAreaCode=null;destinationGroup=null;missionGroup=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=desc;onlyTenders=false;topicListKey=topicSearchTablePageState)
* [ERASMUS-EDU-2023-CB-VET](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2023-cb-vet;callCode=null;freeTextSearchKeyword=capacity;matchWholeText=true;typeCodes=0,1,2,8;statusCodes=31094501;programmePeriod=null;programCcm2Id=null;programDivisionCode=null;focusAreaCode=null;destinationGroup=null;missionGroup=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=sortStatus;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState)
* [ERASMUS-EDU-2023-PEX-COVE](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/erasmus-edu-2023-pex-cove;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1,2;statusCodes=31094502;programmePeriod=null;programCcm2Id=null;programDivisionCode=null;focusAreaCode=null;destinationGroup=null;missionGroup=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=desc;onlyTenders=false;topicListKey=topicSearchTablePageState)