Research Grants for PhD students from the China Scholarship Council	
Information Form (please read the guidelines carefully on the website www-csc.utt.fr)	
Supervisor's name : Hilaire Given names : Vincent	
Status (prof., assistant prof.,): full professor	
Laboratory : CIAD	Website address : https://www.ciad-lab.fr/
Institution : UTBM	Website address : www.utbm.fr
Scientific competence of the supervisor: Holonic Systems, Distributed Problem Solving, Simulation	
Two major publications in the field proposed for the PhD :	
1. [Lin et al, 2023] Yishuai LIN, Yunlong XU, Jiawei ZHU, et al. MLATSO: A method for task scheduling optimization in multi-load AGVs-based systems[J]. Robotics and Computer-Integrated Manufacturing, 2023,	
2 [Rodriguez et al, 2023] Sebastian Rodriguez, and Vincent Hilaire, A methodological approach for the analysis	
and design of Human-Swarm interactions based upon feedback loops, Expert Systems with Applications, Website address of the personal page : https://www.ciad-lab.fr/vincent_hilaire/	
Supervisor's email : vincent.hilaire@utbm.fr	
Description of the research work proposed for a PhD Topic # (see list) : 17, 18	
Title : Holonic models for productive organizations	
Subject : This PhD aims to explore holonic modeling concepts to represent productive organizations like such as defined in the ASPECS process. The resulting models will be simulated according to the methodology defined with the SARL language. Keywords :	
productive organizations, Simulations, holonic systems	
Expected collaborations :	
Background required from the applicant :	
Computer science	

Existence of a PDF file detailing the proposal ("yes" or "no") : yes (see guidelines on the website www-csc.utt.fr)