Information Form (please read the guidelines carefully on the website www-csc.utt.fr)								
Supervisor's nar	me :	Baussard			Giv	en names :	Alexandre	
Status (prof., as	sistan	t prof.,):	Professor					
	ompu	ter Science	and Digital Socie	etv (LIST3	3N)		Website add	ress:
Laboratory:	ompa		aria Bigitai Goole	,, (_ ,	,	https://reche	erche.utt.fr/list3n	
Institution:	nivers	sité de Techr	nologie de Troye	S			Website add	ress:
						https://www	.utt.fr/	
Scientific compe				m Ecolo	Norm	ala Supária:	ro Cachan in 2002	From 2003 to 2004, he
was a CNRS Po the Université de professor at Université de multiscale/multir are segmentatio Two major public	e Bret versite esolution, det cation	ctoral Resea agne Occide é de Techno tion analysis ection, reco s in the field	entale/ENSTA Bracket and machine/de gnition, and class proposed for the	aboratory etagne a and mem eep learni sification e PhD:	y. Fro nd me ber o ng for for ele	m 2004 to 20 ember of Lab f LIST3N lab r signal and i ectromagnet	018, he has been as b-STICC Laboratory oratory. His researd mage processing. Tic, acoustic and opt	ssociate professor at . Since 2018, he is full th interests include The main applications ical systems.
A. d'Acremont, G. Quin, A. Baussard, R. Fablet. Detection of outliers for deep neural networks trained from synthetic data. Conference on Artificial Intelligence for Defense (CAID), Rennes, November 2020.								
7 Lyu P Reguserov A Raussard Study of an expansion method based on an image-specic classier and								
multi-feature for weakly supervised semantic segmentation, ICPRAM, Rome, February 2024.								
Website address						r/research-d	irectory/alexandre-b	oaussard
Supervis			alexandre.bau		ıtt.fr		Tonio # /oco lie	. IR 112 110
Description of	tne re	esearch wor	k proposea tor	a PhD			i opic # (see iis	st) : 18, 112, 119
Title : Outlier a	nd no	velty detection	on in classificatio	n or segr	menta	tion models		
Subject :								
reliability of the r to decide whethe to be able to det The project prop	results er a ne termin ooses uarant	s produced wew observation observation observation observation observations where the totackle the tee their initial observations.	when the data co ion belongs to th lese outliers do r se problems usi	mes from e distribu not come ng differe	n a rea ition c from int ap	al uncontrolle of observation a new class oroaches, wi	ed environment, it is ns used for training, of data. th the aim of keepin	However, to ensure the necessary to be able or not. It is also useful ng these models atistical methods or
Classification, se	egmer	ntation, outli	er detection, nov	elty detec	ction			
Expected collaboration	oratio	ns:						
Background required from the applicant : Mathematics, Statistics, Machine learning, Python would be appriciated								
Matnematics, St	atistic	s, Machine l	earning, Python	would be	appr	ıcıated		
Existence of a P (see guidelines				s" or "no")):	yes		

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