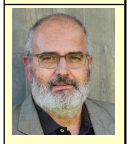
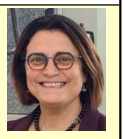
HAROS 2023 Conference Program 15 September 2023

8:30-9:00	Morning Coffee and Opening Ceremony			
	Speaker	***Affiliation***	***Title***	
Session 1 Sensors				
9:00-9:20	**Pacal Nicolay**	CUAS – Carinthia University of Applied Sciences Fachhochschule Kärnten (FH Kärnten – gGmbH) Autriche	The promises of SAW-integrated sensors, for the SHM of concrete structures	
	Sami Hage-ali	University of Lorraine IJL France		
9:20-9:40	**Adel Abdallah**	University of Lorraine LEMTA France	AUDACE: towards an AI-based monitoring system for vehicle schok detection and diagnosis of railway bridges - partners: SNCF and SISGEO	
9:40-10:00	**Aghiad Khadour**	Université Gustave Eiffel, France	Distributed optical fiber sensors: towards a smart monitoring concept	
10:00-10:20	**Questions**			
10:20-10:35	**Coffee Break**			
Session 2 Control Systems				
10:35-10:55	**Jean-Paul Balayssac**	University of Toulouse LMDC France	Non destructive evaluation of concrete structures by electromagnetic and electricmethods.	
10:55-11:15	**Shilpa Pal**	DTU-India	Damage detection using Structural health monitoring	
11:15-11:35	**Belén González Fonteboa**	Universidade da Coruña Spain	Strain monitoring of masonry arches using digital image correlation	
	Fernando Martínez Abella	Universidade da Coruña Spain		
	Ismail Bello	CY Cergy Paris University France, Universidade da Coruña Spain		
11:35-11:55	**Sam-ang keo**	Cerema, France	Effect of incident wave on the monitoring of RC wall with microwave thermography method	

11:55-12:15	**Questions**			
12:15-14:00	**Conference Lunch**			
Session 3 Materials and Structures				
14:00-14:20	**Julien Mercier**	Freyssinet Intenational	Dispositions constructives pour le renforcement au séisme par CFRP par exemple	
14:20-14:40	**Elhem Ghorbel**	CY Cergy, France	What materials for the repair of structures and buildings in a circular economy approach	
14:40-15:00	**Didier Combescure**	AFPS, France	Une synthese des methodes de diagnostic et de confortement sismique pour le bati courant	
15:00-15:20	**Questions**			
15:20-15:35	**Coffee Break**			
Session 4 Artificial Intelligence				
15:35-15:55	**Hala Hasan**	HIESR Syria	Artificial intelligence-based shear strength prediction for RC beams	
15:55-16:15	**Filippo Ubertini**	University of Perugia, Italy	Software implementation of advanced SHM algorithms	
16:15-16:35	**Tharaa Mubarak**	Tishreen University, Syria	Neuro-Fuzzy network prediction of effective strain of FRP strips- strengthend RC beams	
	Bassam Hwaija	Tishreen University, Syria		
16:35-16:55	**Questions**			
17:00	**Closing Session**			