

IWIN 2021

the International Workshop **INTRA** Oct. 13, 2021, Avoine, FRANCE

COVID-19 regulation: a Health Pass is required to enter the conference site

Final Program

The Group INTRA is organizing its biannual conference, the "International Workshop INTRA", on Wednesday, October 13, 2021. The theme is: **"The Pilot and The Stress"**. It addresses pilots of complex technical systems (planes, helicopters, UGA UVA robots, ships, submarines, space shuttles...), remote piloting (teleoperation) or direct piloting (manned vehicle), all work contexts related to piloting under stress, from recruitment to the real operational situation through training, simulation or virtual reality (disturbed context, accidental, crisis, war...), all types of stress (acute, episodic, chronic, traumatic). The objective is to share the various experiences and solutions developed to better know, anticipate and manage the stress of pilots.

Several internationally recognized keynote speakers in the world of intervention robotics are presenting.

08:00-09:00	Registration	
09:00-09:15	Introduction	Philippe KESSLER , Head Manager at INTRA robotics, France
09:15-09:45	SESSION 1	Kuniaki KAWABATA , Professor Dr., Japan Atomic Energy Agency (JAEA), Collaborative Laboratories for Advanced Decommissioning Science (CLADS), Japan <i>A robot simulator for experiencing virtual situations and phenomena in order to be proficient in robotic teleoperation.</i>
09:45-10:15	Chair: Dr. C. FRENDIS CEA-INTRA rob.	Michael GUSTMANN , Dr. Ing., Kerntechnische Hilfsdienst GmbH (KHG) Operations Manager, Germany <i>Preparing pilots for stress management in operations on nuclear accident.</i>
10:15-10:45		Philippe FAUQUET-ALEKHINE , Dr., Scientific Director at INTRA robotics, France <i>Stressing pilots during training: biases and brakes.</i>
10:45-11:00	Break	Beverages & snacks
11:00-11:30	SESSION 2	Julien BLEUZE , Ing., Senior Expert Engineer in Robotics at INTRA, Chief Operating Officer at INTRA robotics, France <i>The impact of the CBRN operational context on pilots' performance.</i>
11:30-12:00	Chair: Dr. FAUQUET-ALEKHINE EDF-INTRA rob.	Oleg Petrovitch GOYDINE , Dr. Ing., Head of Robotics and Emergency Response Center (Rosatom VNIIA) Dukhov Automatics Research Institute, Russia <i>Possible factors of stress for pilots in operating conditions and solutions.</i>
12:00-14:00	Lunch break	Offered by INTRA
14:00-14:30	SESSION 2	Philippe GARREC , Dr., Commissariat à l'Énergie Atomique & aux énergies alternatives, CEA LIST, France <i>Stress induced on pilots when operating a hexapod robot in nuclear facilities.</i>
14:30-15:00	Chair: Dr. FAUQUET-ALEKHINE EDF-INTRA rob.	Patrick LEVIGOUREUX , Ing., Assistant to the Radiation Protection Activity Manager of UOT, & Radioprotection Trainer, ORANO R La Hague, France – Pilot of UGV at INTRA, France <i>The factors of stress when piloting remote robots: testimonial of a pilot.</i>
15:00-15:15	Break	Beverages & snacks
15:15-15:45	SESSION 3	Frédéric CHOISAY , Dr., LCL Armée de l'Air & de l'Espace, France <i>Pilot's stress: role and management of the personal resources.</i>
15:45-16:15	Chair: Dr. H. MOURET ORANO-INTRA rob.	James ERSKINE , Dr., St-George university of London, UK <i>Training pilots for stress resilience.</i>
16:15-16:45	Conclusions	Philippe KESSLER , Head Manager at INTRA robotics, France

The venue

Centre d'Information au Public
Centrale Nucléaire de Chinon
route D749, Avoine, France.
Lat : 47.232441, Long : 0.162531

Chairman of the organizing committee: Philippe KESSLER
Organizing committee Secretariat: Sylvie BERNARD
Chairman of the scientific committee: Philippe FAUQUET-ALEKHINE, Dr.
Scientific committee Secretariat: Charlotte LENOIR
Chairman of the ethics committee: Romain LOUIS