

## 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.

Introduction   Philippe KESSLER, Head Manager at INTRA robotics, France	Several internationally recognized keynote speakers in the world of intervention robotics are presenting.			
SESSION 1 STRESS, SIMULATION 6 TRAINING United Stress and Stress of the	08:00-09:00	Registration		
SESSION I STRESS, SIMULATION 6 TRAINING  O945-10:15  OFF. C. FEROIS CEA-INTRA rob.  O945-10:16  O945-10:10  O945-1	09:00-09:15	Introduction	Philippe KESSLER, Head Manager at INTRA robotics, France	
A robot simulator for experiencing virtual situations and phenomena in order to be proficient in robotic teleoperation.  Discription of the property of the pr	09:15-09:45	SESSION 1		
TRAINING Chair: Dr. C. FRENDIS CEA-INTRA rob.  Break Beverages & snacks SESSION 2 STRESSORS & PERFORMANCE Chair: Dr. FAUQUET-ALEKHINE EDF-INTRA rob.  Differed by INTRA  Philippe GARREC, Dr., Commissariat à l'Energie Atomique & aux énergies alternatives, CEA LIST, France STRESSORS & PERFORMANCE Chair: Dr. FAUQUET-ALEKHINE EDF-INTRA rob.  Differed by INTRA  Philippe GARREC, Dr., Commissariat à l'Energie Atomique & aux énergies alternatives, CEA LIST, France STRESSORS & PERFORMANCE Chair: Dr. FAUQUET-ALEKHINE EDF-INTRA rob.  Differed by INTRA  Philippe GARREC, Dr., Commissariat à l'Energie Atomique & aux énergies alternatives, CEA LIST, France STRESSORS & PERFORMANCE Chair: Dr. FAUQUET-ALEKHINE EDF-INTRA rob.  Differed by INTRA  Philippe GARREC, Dr., Commissariat à l'Energie Atomique & aux énergies alternatives, CEA LIST, France Stress induced on pilots when operating a hexapod robot in nuclear facilities. Patrick LEVIGOUREUX, Ing., Assistant to the Radiation Protection Activity Manager of UDT, & Radioprotection Trainer, DRAND R La Hague, France — Pilot of UGV at INTRA, France The factors of stress when piloting remote robots: testimonial of a pilot.  Beverages & snacks  Frédéric CHOISAY, Dr., LCL Armée de l'Air & de l'Espace, France Pilot's stress: role and management of the personal resources.  James ERSKINE, Dr., St-George university of London, UK Training pilots for stress resilience.		R NOITA IIIMIZ 229972	for Advanced Decommissioning Science (CLADS), Japan	
Chair: Dr. C. FRENDIS CEA-INTRA rob.  CEA-INTR			A robot simulator for experiencing virtual situations and phenomena in order to be proficient in	
Dr. C. FRENDIS CEA-INTRA rob.  Break  Beverages & snacks  Beverages & snacks  Julien BLEUZE, Ing., Senior Expert Engineer in Robotics at INTRA, Chief Operating Officer at INTRA robotics, France The impact of the CBRN operational context on pilots' performance.  Dieg Petrovitch GDYDINE, Dr. Ing., Head of Robotics and Emergency Response Center (Rosatom WINIA) Dukhov Automatics Research Institute, Russia Possible factors of stress for pilots in operating conditions and solutions.  Differed by INTRA  WHADO-14:30  SESSION 2 STRESSORS 8 PERFORMANCE Chair: Dr. FAUDUET-ALEKHINE EDF-INTRA rob.  Dr. FAUDUET-ALEKHINE EDF-INTRA rob.  Dr. FAUDUET-ALEKHINE EDF-INTRA rob.  Break  Beverages & snacks  Frédéric CHOISAY, Dr., LCL Armée de l'Air & de l'Espace, France Pilot's stress: role and management of the personal resources.  James ERSKINE, Dr., St-George university of London, UK Training pilots for stress resilience.	09:45-10:15		l '	
CEA-INTRA rob.   Preparing pilots for stress management in operations on nuclear accident.   Philippe FAUQUET-ALEKHINE, Dr., Scientific Director at INTRA robotics, France   Stressing pilots during training: biases and brakes.   Beverages & snacks   II:00-II:30   SESSION 2   Julien BLEUZE, Ing., Senior Expert Engineer in Robotics at INTRA, Chief Operating Officer at INTRA robotics, France   The impact of the CBRN operational context on pilots' performance.   Oleg Petrovitch GDYDINE, Dr. Ing., Head of Robotics and Emergency Response Center (Rosatom VNIIA) Dukhov Automatics Research Institute, Russia   Possible factors of stress for pilots in operating conditions and solutions.				
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	16:15-16:45		Philippe KESSLER Head Manager at INTRA colonics. 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 LENDIR Chairman of the ethics committee: Romain LOUIS

