

Dr IVAN PASTORELLI

PhD, Ability to supervise Research,

Professor with an ability to supervise research at University of Nice-Sophia Antipolis, GREDEG laboratory mixed unity of Research UNS-CNRS 7321.

Main research themes:

- Identification of organizational factors of reliability.
- Effects of the integration of information technologies on value chains.

Industrial sensibility, aeronautic culture
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Main administrative responsibilities

President of option D (IT management) of the aggregation economic-management jury.

Treasurer, member of the executive office and the scientific comity, Pegase aeronautic and spatial competitive cluster.

Scientific co-director, learning center for human factors – CEFH (PFMI driven by the state)

Expertise of industrial projects for state and local collectivities: ANR, ANRT, APRF, CIR, FUI, JEI ..

Director IT management, University of Nice, MIAGE sector

Main missions of industrial research

- Urbanization of a decisional information system. Objective: optimize the product / maintenance process of naval aviation aircraft and their effects on operational availability (AIA-CP)
- Establishment of the specifications of the anti-fraud virtual currency system. Objective: to establish the policy of anti-laundering of virtual money (BNP).
- Opportunity study for EASA certification of a new helicopter for Kazan helicopter society (Census of uses in the helicopter emergency)
- Integration of fatigue risk in the management system of security. Objective: establish rules of balance between commercial and operational constraints on the schedule of technical and commercial personnel (AIR CALDONIE INTERNATIONAL).
- Auditing the security management system matrix and the pertinent risk model (AIR CORSICA). Objective: hybrid operational rules for organizational analysis.
- Auditing the adaptability of integrated management systems of charter regular airlines (AIR CALEDONIE).
- Analyze numeric model of mission preparation. Objective: Understand the effects of digitization of the battle space on the combat helicopter pilot expertise (ALAT).
- Analyze human factors needs for the industrial sector. Objective: identify unmet needs in FH to send them the results of scientific research (APAVE AERO SERVICES).
- Analyze strategic determinants of the development of airports in GCC. Objective: Project the competitive environment within the scope of FH (BAYANAT AIRPORT ENGINEERING).

- Analyze the uses of rescue helicopters winch. Objective: to establish the training specifications of virtual winching by virtual coach (VSM).
- Implementation of RTE Security Management System (Electric lines of Helicopters surveillance)
- Analyze the use of decision support systems for helicopter pilots of the SAMU. Objective: integrate numeric tablets in cockpits (weather in real time, based obstacle...) without degrading flights safety (INAER, CGX AÉRO, ONERA).
- Coordination of research projects for INAER: Night Vision Binoculars, Electronic Flight Bag, and CNSS.
- Analyze the effects of de-specialization of numeric services on decisions and learning processes. Objective: industrialize integration method of the IT for the videoconferences services (SOGETI).
- Analyze vulnerabilities of air transport deported elements (fuel, catering) and integration of new services. Objective: Economic encryption and degraded operation and possible solutions (BAYANAT AIRPORT ENGINEERING, DIMENSION DATA).
- Organizational determinants of airlines flight safety. Objective: identify and integrate into the SGS the risks associated to opening new lines (AIR LOYAUTE).
- Identification of available technologies for new products and services: market analysis, orientation and structuring of the research department: operational, regulatory, commercial (AIR LOYAUTE).
- Analyze effects of open data and data fusion on the business model of air transport. Objective: preparing the multimodal transport (MILANAMOS *start up* laureate at the global innovation competition).
- Audit and overhaul of Operations Control Centre operating mode (AIR CALEDONIE).
- Implementation of Management Safety System (AIR CALEDONIE)
- Analyze of deviant flights and possible preventive actions. Objective: develop and test an arbitration model between safety and performance on the SGS (AIR CORSICA).
- Establishment of Airport Collaborative Decision Making (CDM) to Bordeaux airport. Objective: To integrate the concepts and technologies of SESAR in regional airports into a demonstrator exportable (AIRBUS D&S, EUROCONTROL, DSNA, REGIONAL, FLYOPS, ENAC).
- Training missions in Human Factors (ENAC, DSNA, OSAC, ASL AIRLINES, AIR CALEDONIE, AIR LOYAUTE, AIR CORSICA)

OTHER :

History of science, aeronautics
