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| JOB TITLE : Scientist in Applied Mathematics | REPORTING TO & LOCATION Head of CRT/VPE Issy-Les-Moulineaux |
| MISSION <ul style="list-style-type: none"> • Develop Artificial Intelligence in Modeling Context | |
| RESPONSIBILITIES Develop predictive model from data coming from sensor and simulation in order to increase capabilities of design, optimisation, multi-disciplinary modeling, ... <i>Missions</i> <ul style="list-style-type: none"> • Mathematical Formalisation • Take in consideration the different levels of fidelity and accuracy • Taking into account to the performance of algorithms (link with HPC) • Demonstration on industrial test cases • Develop statistical modeling • Participate and develop academic networks | |
| PROFILE <ul style="list-style-type: none"> • Master Degree, Applied Mathematics, computer science • Experience 3 Years. • A network in academic world would be a must | SKILLS <ul style="list-style-type: none"> • Good knowledge in Modeling, Simulation and Machine Learning • Knowledge in numerical analysis • Knowledge in optimization • Good knowledge in programming language (C, C++, Fortran, python) |

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| JOB TITLE : Scientist in Uncertainties | REPORTING TO & LOCATION Head of CRT/VPE Issy-Les-Moulineaux |
| MISSION <ul style="list-style-type: none"> • Develop Artificial intelligence in stochastic context | |
| RESPONSIBILITIES Implementation of the techniques of dimension reduction, learning the probability law in high dimension, with efficiency in order to build predictive model in complex system modeling <i>Missions</i> <ul style="list-style-type: none"> • Propose original solutions based on academic state of the art • Implementation of algorithms mainly in OpenTurns (C++) and in other python frameworks • Monitoring of sub-contracting (academic as Lip6, .. and industrial) • Participation on OpenTurns technical board • Demonstrate methodology on real test cases • Diffusion of these technics inside Airbus | |
| PROFILE <ul style="list-style-type: none"> • Master Degree, Applied Mathematics, computer science • Experience 3 Years. • A network in academic world would be a must | SKILLS <ul style="list-style-type: none"> • Good knowledge in Probabilities and Numerical Analysis • Good knowledge in programming language (C, C++, Fortran, python) • Knowledge in High performance computing will be appreciated |