Curriculum Vitae

Mr. José-Luis Vilchis-Medina

🡺 ***PhD. in Computer Science*** [a]
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a. (Artificial Intelligence & Logic)

► Current Situation ◄

Oct-2021/present	**French Naval Academy** *Naval Academy Research Intitute (IRENav EA3634), MoTIM group.* **Assistant Professor of Computer Science.**	**Brest, France**

◖ Employment Situation ◗

Oct-2020/Sep-2021	**ONERA-The French Aerospace Lab** *DTIS, SEAS group.* **Postdoctoral position**	**Toulouse, France**
Oct-2019/Sep-2020	**University of Montpellier** CAlcul NAturel team **A.T.E.R. (192h) :** *LIRMM, EXPLORE group.* **Postdoctoral position**	**Montpellier,France**
Sep-2018/Aug-2019	**Aix-Marseille Université** CAlcul NAturel team **A.T.E.R. (192h) :** *Faculty of Sciences, Bachelor in Computer Science.* **Teaching-Research position (ATER)**	**Marseille, France**

► Subjects of Research ◄

- *Knowledge Representation and Reasoning*
- *Non-monotonic Reasoning*
- *Non-classical Logics*
- *Logic Programming*
- *Decision Theory*
- *Resilience Theory*

► Education ◄

Oct-2015/Dec-2018	**PhD. in Computer Science** **L**aboratoire d'**I**nformatique et **S**ystèmes (LIS) CAlcul NAturel team **Title :** *Modeling of Resilient System in Default Logic. Application to Solar Power UAV.* **Supervisors :** Pierre SIEGEL and Andrei DONCESCU	**Marseille, France**
Sep-2015	**M.Sc. in Electrical and Automation Engineering** INP-ENSEEIHT **Option :** Control, Decision and Critical Computing Systems **Title :** *Design of a versatile electronic demonstrator for the measurement of displacements by optical re-injection in a laser diode, with control of the emitted beam.* **Supervisors :** Julien PERCHOUX and Antonio LUNA ARRIAGA	**Toulouse, France**
Aug-2012	**B.Sc. in Electronics Engineering** Universidad Autónoma de Baja California **Option :** Control Systems - *with Honors* **Final Project :** *Design of an embedded system for agricultural applications.*	**Ensenada, Mexico**
Sep/Nov-2016	**Embedded Systems (20h)–Master 2** Aix-Marseille Université	**Marseille, France**
Feb/Apr-2016	**Synchronous Microcontrollers Programming (30h)–Bachelor L1** Aix-Marseille Université	**Marseille, France**

► Price – Awards ◄

High academic achievement by the National Evaluation Center (CENEVAL)

Universidad Autónoma de Baja California, Promotion 2012
B.Sc. in Electronic Engineering, Honors.

Mexico-France Exchange Engineers Technology (MEXFITEC)

Electronic and Signal Processing, 2nd scholar year.
INP-ENSEEIHT

► Languages ◄

Spanish Mother tongue	**English** Advanced level	**Français** Advanced level	**Portugais** Basic-Intermediate level

► Technical Skills ◄

Text editor : LaTeX, Vim ; **Programming languages :** Prolog, C/C++, Python, Bash, HTML/CSS, PHP, MySQL, MATLAB ; **OS :** macOS, Linux ;

► Publications ◄

[1] José Luis Vilchis Medina. Evaluation and identification of properties in a set of information through qualitative and non-monotonic reasoning. *The 6th International Conference on Computer Science and Artificial Intelligence (CSAI, abstract only)*, 2022.

[2] José-Luis Vilchis-Medina, Karen Godary-Déjean, and Charles Lesire. Autonomous decision-making with incomplete information and safety rules based on non-monotonic reasoning. *IEEE Robotics and Automation Letters*, 6(4) :8357–8362, 2021.

[3] José Luis Vilchis Medina, Pierre Siegel, Vincent Risch, and Andrei Doncescu. A resilient behavior approach based on non-monotonic logic. *Journées d'Intelligence Artificielle Fondamentale*, page 16, 2020.

[4] José Luis Vilchis Medina, Pierre Siegel, Vincent Risch, and Andrei Doncescu. A resilient behavior approach based on non-monotonic logic. In *Mexican International Conference on Artificial Intelligence*, pages 403–413. Springer, 2019.

[5] José Luis Vilchis Medina, Pierre Siegel, Vincent Risch, and Andrei Doncescu. An implementation of a nonmonotonic logic in an embedded computer for a motor-glider. In *35th International Conference on Logic Programming (ICLP)*. Accepted, 2019.

[6] José Luis Vilchis Medina, Pierre Siegel, Vincent Risch, and Andrei Doncescu. Intelligent and adaptive system based on a non-monotonic logic for an autonomous motor-glider. In *2018 15th International Conference on Control, Automation, Robotics and Vision (ICARCV)*, pages 442–447. IEEE, 2018.

[7] José Luis Vilchis Medina, Pierre Siegel, and Andrei Doncescu. Non-monotonie et resilience : Application au pilotage d'un motor-planeur autonome. *Journées d'Intelligence Artificielle Fondamentale*, 12 :6, 2018.

[8] José-Luis Vilchis Medina, Pierre Siegel, and Andrei Doncescu. Contrôle de vol d'un planeur basé sur une logique non-monotone. In *Journées Francophones sur la Planification, la Décision et l'Apprentissage pour la conduite de systèmes (JFPDA 2017)*, 2017.

[9] Vilchis Medina, Pierre Siegel, and Andrei Doncescu. Autonomous aerial vehicle based on non-monotonic logic. In *3rd International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS)*, page 6p, 2017.