Álvaro Peris

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Professional Experience

2019 – Present	Sonia Labs. *Machine learning engineer.*
2015 – 2019	PRHLT Research Center, Universitat Politècnica de València. *Superior technician.*
2014 – 2015	PRHLT Research Center, Universidad Politécnica de Valencia. *Student researcher.*

Education

2015 – 2019	PhD in Computer Science. **Universitat Politècnica de Valencia**. Excellent Cum Laude.
2014 – 2015	MSc in Artificial Intelligence, Pattern Recognition and Digital Imaging. **Universitat Politècnica de Valencia.** GPA: 9.2/10.
2008 – 2014	BSc in Computer Engineering. **Universitat Politècnica de Valencia.** GPA: 7.5/10.

Languages

Spanish	Mother tongue.
Catalan	Full professional competence.
English	Advanced (Cambridge Advanced English Certificate).
German	Beginner.

Technical Skills

Programming Languages	Python, Java, C++, Unix shell scripting, Matlab, Haskell.
Machine Learning Libraries	Keras, Tensorflow, PyTorch, Theano, Scikit-learn, Moses.
Other	LaTeX, Office, Git, Subversion, Continuous integration.

Open source libraries

NMT-Keras	Fully-fledged neural machine translation toolkit.
Interactive Keras Captioning	Interactive multimedia captioning.
ABiViRNet	Neural video captioning.
sentence-selectioNN	Neural sentence classifiers, for data selection.
VIBIKNet	Visual question answering.
TMA	Egocentric video captioning with extended context.

Scientific Committees

Served as reviewer for several journals, including: Information Processing & Management, Machine Translation, Language Resources and Evaluation.

Scientific Publications

1. **Álvaro Peris** and Francisco Casacuberta. "A Neural, Interactive-predictive System for Multimodal Sequence to Sequence Tasks". In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL), System Demonstrations*, pp. 81–86, 2019.

2. Miguel Domingo, Mercedes García-Martínez, Amando Estela Pastor, Laurent Bié, Alexander Helle, **Álvaro Peris**, Francisco Casacuberta and Manuel Herranz Pérez. "Demonstration of a Neural Machine Translation System with Online Learning for Translators". In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL), System Demonstrations*, pp. 70–74, 2019.

3. Miguel Domingo, Mercedes García-Martínez, **Álvaro Peris**, Alexandre Helle, Amando Estela, Laurent Bié, Francisco Casacuberta and Manuel Herranz. "Incremental Adaptation of NMT for Professional Post-editors: A User Study". In *Proceedings of Machine Translation Summit XVII Volume 2: Translator, Project and User Tracks*, pp. 219–227, 2019.

4. **Álvaro Peris** and Francisco Casacuberta. "Online learning for effort reduction in interactive neural machine translation". In *Computer Speech & Language*, vol. 58, pp. 98–126, 2019.

5. **Álvaro Peris** and Francisco Casacuberta. "Active Learning for Interactive Neural Machine Translation of Data Streams". In *Proceedings of the 22nd Conference on Computational Natural Language Learning (CoNLL)*, pp. 151–160, 2018.

6. Marc Bolaños, **Álvaro Peris** and Francisco Casacuberta, Sergi Soler y Petia Radeva. "Egocentric Video Description based on Temporally-Linked Sequences". In *Journal of Visual Communication and Image Representation*, vol. 50 pp. 205-216, 2018.

7. Mara Chinea-Rios, **Álvaro Peris** and Francisco Casacuberta. "Are Automatic Metrics Robust and Reliable in Specific Machine Translation Tasks?". In *Proceedings of the 21st Annual Conference of the European Association for Machine Translation (EAMT)*, pp. 89–98, 2018.

8. **Álvaro Peris** and Francisco Casacuberta. "NMT-Keras: a Very Flexible Toolkit with a Focus on Interactive NMT and Online Learning". *The Prague Bulletin of Mathematical Linguistics*, vol. 111 pp. 113-124, 2018.

9. **Álvaro Peris**, Luis CebriÁn and Francisco Casacuberta. "Online learning for neural machine translation post-editing". In *arXiv:1706.03196*, 2017.

10. **Álvaro Peris**, Mara Chinea-Ríos, and Francisco Casacuberta. "Neural Networks Classifier for Data Selection in Statistical Machine Translation". In *The Prague Bulletin of Mathematical Linguistics*, vol. 108, pp. 283–294, 2017.

11. Mara Chinea-Ríos, **Álvaro Peris** and Francisco Casacuberta. "Adapting Neural Machine Translation with Parallel Synthetic Data". In *Proceedings of the Conference on Machine Translation (WMT)*, pp. 138–147, 2017.

12. **Álvaro Peris**, Miguel Domingo and Francisco Casacuberta. "Interactive Neural Machine Translation". In *Computer Speech & Language*, vol. 45, pp. 201–220, 2017.

13. Francisco Casacuberta and **Álvaro Peris**. "Traducción automÁtica neuronal". In *Revista Tradumàtica*, vol- 15, pp. 66–74, 2017.

14. Marc Bolaños, **Álvaro Peris**, Francisco Casacuberta and Petia Radeva. "VIBIKNet: Visual Bidirectional Kernelized Network for Visual Question Answering". In *Proceedings of the 8th Iberian Conference on Pattern Recognition and Image Analysis (IbPRIA)*, pp. 372–380, 2017.

15. Miguel Domingo, **Álvaro Peris** and Francisco Casacuberta. "Segment-based interactive-predictive machine translation". In *Machine Translation Journal*, vol. 31 pp. 163–185, 2017.

16. Miguel Domingo, **Álvaro Peris** and Francisco Casacuberta. "Interactive-Predictive Translation based on Multiple Word-Segments". In *Proceedings of the European Association for Machine Translation (EAMT)*, pp. 282–291, 2016. **Best paper award.**

17. **Álvaro Peris**, Marc Bolaños, Petia Radeva, and Francisco Casacuberta. "Video Description using Bidirectional Recurrent Neural Networks". In *Proceedings of the 25th ICANN,* vol 2, pp. 3–11. 2016.

18. **Álvaro Peris** and Francisco Casacuberta. "A Bidirectional Recurrent Neural Language Model for Machine Translation". In *Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN)*, vol. 55, pp. 109-116, 2015.