

Publications

- Conférences internationales (papiers et présentations orales)
 - Crescenzo Edoardo Mauriello, Hugo Bulzomi, Jean Martinet and Yuta Nakano : End-to-End Neuromorphic Lane Detection; International Workshop On Advances in Sensors and Interfaces (**2025**)
 - Hugo Bulzomi, Sadia Memudu, Yuta Nakano and Jean Martinet : Real-Time Pedestrian Detection at the Edge on a Fully Asynchronous Neuromorphic System; Conference on Computer Vision and Pattern Recognition workshop on Event-based Vision (**2025**)
 - Hugo Bulzomi, Yuta Nakano, Rémy Bendahan and Jean Martinet: Neuromorphic Temporal Pattern Detection with Spiking Neural Networks using Synaptic Delays; International Conference on AI Circuits and Systems (**2024**)
 - Hugo Bulzomi, Yuta Nakano, Rémy Bendahan and Jean Martinet : Object Detection for Embedded Systems Using Tiny Spiking Neural Networks: Filtering Noise Through Visual Attention; International Conference on Machine Vision Applications (**2023**)
 - Yuta Nakano, Kozo Kajiware, Atsushi Hori and Takeshi Fujita : Event Data Representation based on Time Stamp for Pedestrian Detection; International Conference on Intelligent Vehicles and Applications, Prague, Czechia 03-04 July (**2023**)
 - Yuta Nakano, Takeshi Fujita et al. : Data representation of event data for object detection; Symposium on Sensing via Image Information, Yokohama, Japan, 14-16 June (**2023**)
 - Frederic Abad, Yuta Nakano, Remy Bendahan, Akiyoshi Takabe et al. : Locally Masked Convolutional Models for Anomalous Sound Detection by Deep Learning; International Conference on Industry 4.0 and Smart Manufacturing, Lisbon, 22-24 November (**2023**)
 - Sylvain Bougnoux, Rémy Bendahan, Yuta Nakano et al. : Control of an Air-Cored Resonant Induction Motor ; International Conference on Electrical Machines, Valencia, Spain, 5-8 September (**2022**)
 - Yuta Nakano, Takeshi Fujita and Rémy Bendahan : Investigation of Performance Shift by Conversion from Convolutional Neural Networks to Spiking Neural Networks; ITS world congress, Hambrug, Germany, 11-15 October (**2021**)
 - Yuta Nakano: Non-invasive phenotyping of hepatic fibrosis using unsupervised machine learning; ESMO (**2018**)
 - Yuta Nakano, Estanislao Oubel, Johan Brag, Alice Doreille and Olivier Lucidarme: Quantitative imaging biomarker of disease progression in hepatocellular carcinoma and NASH; NASH workshop (**2017**)

- Yuta Nakano, Shinichi Shirakawa, Noriko Yata and Tomoharu Nagao: Automatic Construction of Image Transformation Algorithms Using Feature Based Genetic Image Network; Proc. of the 2010 IEEE Congress on Evolutionary Computation (2010)
- Yuta Nakano and Tomoharu Nagao : Automatic construction of moving object segmentation from video images using 3D-ACTIT; Proc. of The 2007 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2007), pp.1153-1158, October 7-10, (2007)
- Yuta Nakano and Tomoharu Nagao: Automatic construction of abnormal signal extraction processing from 3D diffusion weighted image; Proc. of IWAIT-2007, Bangkok, Thailand, Jan.8-9, P5-05 (2007)
- Yuta Nakano and Tomoharu Nagao: Automatic extraction of internal organs region from 3D PET image data using 3D-ACTIT; Proc. of IWAIT-2006, Okinawa, Japan, Jan.10 (2006)
- Yuta Nakano and Tomoharu Nagao: Automatic construction of internal organs segmentation from PET image data using 3D-ACTIT; Proc of the Joint 2nd International Conference on Soft Computing and Intelligent Systems and 5th International Symposium on Advanced Intelligent Systems, SCIS & ISIS 2004, September 21-24, 2004, Yokohama (2004)
- Yuta Nakano and Tomoharu Nagao: 3D medical image processing using 3D-ACTIT; Automatic Construction of Tree-structural Image Transformation; Proc of the International Workshop on Advanced Image Technology IWAIT'04, January 12-13, 2004, Singapore (2004)
- Journal
 - Yuta Nakano and Tomoharu Nagao : Proposition of 3D-ACTIT and Its Application to PET image processing, Medical Imaging and Information Sciences, vol.24, No.4, pp.119-125 (2007)
 - Yuta Nakano and Tomoharu Nagao : Automatic construction of abnormal signal extraction processing from 3D diffusion weighted image, Journal of The Japanese Society of Medical Imaging Technology, Vol.25, No.5, pp.362-370 (2007)
 - Yuta Nakano and Tomoharu Nagao : Automatic extraction of liver regions from 3D-PET images using 3D-ACTIT, Journal of The Institute of Image Information and Television Engineering, Vol.62, No.3, pp.424-434 (2008)
- Brevets
 - Au moins 20 brevets ont été publicités par moi dans le domaine processus d'image et machine learning
 - e.g.
<https://docs.google.com/viewer?url=patentimages.storage.googleapis.com/pdfs/US8620048.pdf>
 - J'ai des expériences de investigation de 4,000 brevets pour lancer des produits

- Dans ce projet, j'étais un chef qui a fait une stratégie d'investigation et négocié avec département propriété intellectuelle