



Design and implementation of a resources center for validation of autonomous systems by simulation

Press release, June 2020

The validation of future autonomous systems will require the intensive use of high-performance simulation tools. The purpose of this initiative is the design and deployment of a resource center available for all national players in this sector enabling efficient and economically acceptable implementation of such simulation tools, while ensuring their validation and certification.

Facing these new challenges, it appears that several major subjects must be worked on collectively because of their generic interest for all industrial sectors:

- Environmental and Sensor Modeling
- Optimization with innovative methods of the factory scenario. Learning methods could be used
- Massive simulation capacity exploiting its particularities at best: scalability, algorithm adaptation with hardware power (CPU/GPU...) with particular opportunity to pool common resources and reach peak effects.

Association TERATEC

Association régie par la loi du 1er juillet 1901 modifiée et le décret du 16 août 1901 – SIRET 507 429 728 00011
Siège Social et Secrétariat : TERATEC - Campus Teratec - 2, rue de la Piquetterie - 91680 BRUYERES-LE-CHATEL
Tel.: +33(0)9 70 65 02 10 - infos@teratec.fr - www.teratec.eu