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Mar 05 2019 Dassault Systèmes Reinforces its Cyber Physical Systems Engineering Strategy for a Safer, Smarter and Connected World

Dassault Systèmes has acquired the startup Argosim to leverage proven artificial intelligence technology as the backbone of model-based systems engineering and architecture for embedded systems.
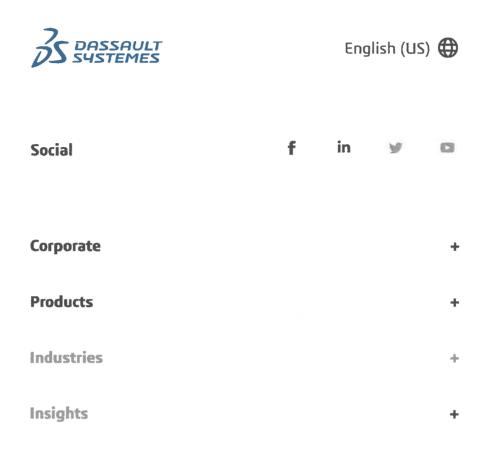
Argosim, headquartered in Grenoble, France, enriches Dassault Systèmes' 3DEXPERIENCE platform and industry solution experiences such as "Smart, Safe and Connected" that are used by the transportation and mobility, aerospace and defense, and high-tech industries in their development of complex autonomous systems such as those in smart cars, homes and cities. Argosim's software solution STIMULUS enables system architects to add the "Play" concept at the requirement specification phase to formally ensure its consistency and completeness.

Within the systems engineering domain, many systems non-quality issues are due to incomplete, inconsistent requirements. STIMULUS users can detect ambiguous, incorrect, missing or conflicting requirements at a very early phase of the process - before functional design starts - thus creating high-quality specifications needed for the validation and safety of embedded systems. By using STIMULUS, controlling and modeling uncertainty through a stochastic approach becomes key to delivering cyber physical systems that are ready for use.

"As a pioneer in systems specification simulation, we were looking for a leader with a comprehensive vision, and able to move to the next paradigm shift," said Fabien Gaucher, CEO, Argosim. "Today the whole Argosim team, which I was pleased to lead the last five years, is excited to start a new adventure as part of Dassault Systèmes, to realize our ambitious common plan on cyber physical systems engineering."

"Simulation and modeling fusion is at the heart of our cognitive augmented design strategy, and Argosim strengthens our foothold in software and embedded systems architecture modeling and simulation solutions," said Philippe Laufer, CEO, CATIA, Dassault Systèmes. "With strict legislation coming, there is a huge challenge with respect to requirements and regulations for cyber systems such as autonomous vehicle system performance and reliability. For this, ensuring the early validation of these requirements is critical to accelerate their go to market."

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