

Socionext's CGI Studio at China Human - Machine Interaction Summit 2017

Langen/Germany, 24. October, 2017 --- At this year's China Human - Machine Interaction Summit in Shanghai, China, Socionext Embedded Software Austria (SESA) will showcase its innovative HMI Design Tool "CGI Studio" as well as the latest Hypervisor and Functional Safety Technology. The SESA team is looking forward to welcoming you at the exhibition space in the Crowne Plaza Shanghai Noah Square, November 1-2, 2017. At our booth you will learn more about:

CGI Studio

CGI Studio is a scalable and hardware independent HMI and GUI design software for developing digital instrument clusters, head-up displays, infotainment systems (IVI), rear seat entertainment and many more. The special USP of CGI Studio lies in the representation of 2D/3D display elements but it also includes features such as multilingualism, particularly sophisticated safety functions and a reliable and worldwide customer service. Numerous automotive manufacturers and suppliers worldwide rely on this innovative software tool.



Fig1: CGI Studio is a Software platform for development of 2D/3D automotive HMIs

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Cecil Demo based on Hypervisor

Automotive HMIs have to meet several different requirements. However, sometimes the difference between what is important for driving and what isn't has begun to blur. One technology that helps to divide safety-critical attributes from infotainment and comfort features into two heterogeneous systems is the hypervisor. This ensures that even if one system fails, the other will continue to run unimpaired. Based on this principle Socionext Embedded Software Austria and Mentor, a Siemens Business, have developed the "Cecil demo" a hypervisor-based multiscreen demo created with Socionext's HMI tool "CGI Studio" and embedded software components from Mentor.



Fig 2: A hypervisor helps to divide safety-critical attributes from infotainment and comfort features

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Functional Safety

Functional safe user interfaces become more and more important for graphical user interfaces. Socionext Embedded Software Austria and Mentor jointly developed a safety critical cluster design demo which shows an alternate approach to using a hypervisor. This demo showcases safety separation between an advanced automotive cluster HMI application, implemented using CGI Studio, and safety-critical digitally displayed tell-tale warning indicators. This solution addresses the challenge of mixing safety-critical and non-critical information on a single instrument cluster display while satisfying essential safety requirements for automotive certification such as ISO 26262.

We are looking forward to welcoming you at our booth at China Human - Machine Interaction Summit in Shanghai and tell you more about our company and technologies.

About SESA

Socionext Embedded Software Austria GmbH in Linz (SESA) is a leading HMI tool provider and development partner for worldwide automotive, industrial, and telecommunication customers. SESA supports its customers with the CGI Studio tool environment as well as provision of software services mainly in the areas of HMI development and embedded software. SESA's activities are driven by its close customer relationships and strong concentration on customers' needs. For more information, visit www.cgistudio.at

About Socionext Inc.

Socionext is a new, innovative enterprise that designs, develops and delivers System-on-Chip products to customers worldwide. The company is focused on imaging, networking, computing and other dynamic technologies that drive today's leading-edge applications. Socionext combines world-class expertise, experience, and an extensive IP portfolio to provide exceptional solutions and ensure a better quality of experience for customers. Founded in 2015, Socionext Inc. is headquartered in Yokohama, and has offices in Japan, Asia, United States and Europe to lead its product development and sales activities. For more information, visit www.socionext.com

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