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CGISTUDIO

SESA at China Automotive Human - Machine Interaction Summit 2018
April 19- 20, 2018 - Crowne Plaza Shanghai Noah Square

Shanghai / China, April 3, 2018 – this year's China Automotive Human - Machine Interaction Summit in Shanghai will focus on the status and development of automotive HMI technology in China including HMI technology for autonomous vehicles, new interfaces for automotive navigation, design of the middle control instrument system, latest HUD technologies and many more. As an exhibitor of this unique summit, Socionext Embedded Software Austria (SESA) will showcase its innovative HMI Design Tool "CGI Studio" as well as the latest hypervisor, functional safety and Android based technologies. The SESA team is looking forward to welcoming you at the exhibition space in the Crowne Plaza Shanghai Noah Square, April 19 - 20, 2018. 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.

Fig 1: CGI Studio is a Software platform for development of 2D/3D automotive HMIs

For Press Inquiry

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Cecil Demo based on Hypervisor

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

Functional Safety

Functional safe user interfaces become more and more important for graphical user interfaces. Socionext Embedded Software Austria and Mentor, a Siemens Business 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.

Android Demo

The use of "Nomadic Devices" or portable devices within the vehicle by a driver is increasing and with it the importance that HMI tools can deal with these special platforms and operation systems. At China Automotive Summit SESA will present an Android demo based on CGI Studio to prove that CGI Studio is ready for these „targets of the next generation". The CGI Studio Android demo will also include features like touch interaction or rotation changes. It also shows that keeping flexibility in your projects and changing Hardware or Software platform can be very easy.

We are looking forward to welcoming you at our booth at China Automotive Human in Shanghai and tell you more about our company and products.

For more information about the event, visit:
http://www.ecvinternational.com/HumanMachineInteraction/

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 socionext.com

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