Dr. Shirou Yamaoka, Department Manager

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Biography

Dr. Shiro Yamaoka has received his master's degree in mechanical engineering from Keio University in 1999, and entered R&D group in Hitachi Ltd. in 1999. He has been mainly contributing the technology evolution in the field of automotive powertrain area. He started his career with development of advanced engine control systems and new components, addressing gasoline fueled HCCI combustion (1999-2008). He received JSAE award at 2006 regarding the technology presence of gasoline HCCI combustion control, and he was identified as JSAE professional engineer in the field of ICE research. Also his Ph.D. degree was received from Doshisha University in 2016. In addition, he worked at Hitachi Europe GmbH in Munich (2009) as a resident researcher, and started the collaboration research with TU Munich for new combustion concept in gasoline direct injection engine system. After coming back to Hitachi Ltd. in Japan, his working scope was expanded to the control system not only for engine powertrain but for electric vehicles and autonomous driving vehicles (2010-2017). He is currently a department manager in system control architecture research, aiming at realizing safety and sustainable mobility society based on advanced control architecture as the core technology.