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2021 ON Semiconductor POWER WEBINAR

Americas, EMEA & South East Asia

Bryan McCoy
Applications Engineer

Bryan McCoy is an applications engineer at ON Semiconductor developing AC-DC and DC-DC products in the consumer, industrial, and telecommunications space. Before his employment at ON Semiconductor, he developed AC-DC and DC-DC charger products for Mobility Electronics.

He has published numerous technical papers and has six patents issued. Bryan obtained his Bachelor of Science degree in Electrical Engineering from Arizona State University in 2004. He also holds an Associate's degree in avionics technology. Also, he served four years in the Air Force as an F-16 Specialist.

Ajay Hari
Applications Manager

Ajay Hari is an Applications Manager at ON Semiconductor, responsible for managing a team of product definers and applications engineers for ac-ac and isolated AC-DC power management. Before ON Semiconductor, he worked at National Semiconductor/TI, specializing in isolated power converters, and has defined many PWM ICs for telecom, automotive, and industrial markets.

He started his career at General Electric Lighting as a design engineer and has published numerous technical papers and has over ten patents issued or ongoing. Ajay is an active participant in PSMA and is co-editor of the PSMA applications section roadmap. Ajay holds a Master of Science in Electrical and Computer Engineering from the University of Florida.

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James Victory

Fellow – Power Design Enablement

James Victory is currently a Fellow at ON Semiconductor, working on R&D in modeling and simulation for power technologies. In June 2008, he co-founded Sentinel IC Technologies specializing in design enablement for RF-analog and power technologies. Before that, he was the Executive Director of Design Enablement at Jazz Semiconductor.

He started his career with Motorola in 1992, where he specialized in semiconductor device modeling for RF-analog and power technologies. He received his BSEE, MSEE, and Ph.D. in electrical engineering from Arizona State University in 1990, 1992, and 1994.

He has over 45 publications, including invited papers and workshop tutorials and three patents on semiconductor device modeling.

Heinrich Kamamen

Field Application Engineer

After a Bachelor's degree in Physics, Heinrich obtained a Master's degree in embedded electronic systems and telecommunication from "Université Paul Sabatier" in France, and in 2016 he received his diploma. In 2016, he joined NXP as a subcontractor. He worked as an application Engineer, providing technical support to automotive customers like Continental on ICs dedicated to braking applications.

In 2019, he joined ON Semiconductor as a field application engineer (FAE) supporting OEM such as Schneider in Europe. He also published an application note on active bridge rectifiers.

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Didier Balocco

EMEA Power Solution Group Business Marketing Engineer

Didier received his Electronics Engineer diploma from the "École Nationale Supérieure d'Électronique et de RadioÉlectricité de Bordeaux," France, in 1992 and his Ph. D. degree in Power Electronics from the University of Bordeaux in 1997.

In 1996, he joined AEG Power Solutions, formerly Alcatel Converters, as a research engineer for DC-DC and AC-AC converters design in a range of 1 W to 1 kW, mainly for telecom equipment. He managed research activities from 2000 to 2014, publishing more than ten papers on power electronics, and holds one patent. From 2011 to 2013, he worked eighteen months on a 15-kW solar inverter module for a 150-kW cabinet in Dallas, Texas.

He joined Fairchild in August 2014 as a Field Application Engineer supporting the South of France, Spain, and Portugal. In 2016, ON Semiconductor acquired Fairchild. In 2018, he moved to a new role inside ON Semiconductor. He is currently an EMEA Power Solution Group Business Marketing Engineer.

Petr Papica

Principal IC Application Engineer

Petr Papica is a Principal IC Application Engineer for SMPS products located in Roznov, Czech Republic. Petr received his Master's degree in Radio-Electronics from the Technical University of Brno, Czech Republic, in 2000. Then he joined Alcatel Microelectronics as the Design Engineer for the bus transceiver products. He joined the ON Semiconductor design office in Roznov as a Design Engineer in 2003, working on linear regulator products. His role changed in 2008, focusing on switched-mode power supply control circuit applications.

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Massimo Paglia

Field Application Engineer

Massimo Paglia works as a Principal Application Engineer in the ON Semiconductor Solution Engineering Center group located in Munich, Germany. In this role, he was responsible for providing power applications, mainly software algorithms, to test the existing (MOSFET and IGBT) and test the emerging technologies like Wide Bandgap (WBG) SiC MOSFET. He has more than ten years of experience in algorithm development, mainly related to brushless motors. His main area of interest includes traction inverters, PFCs, and WBG devices.

Vaclav Drda

Applications Engineer

Vaclav Drda received an engineering degree from the Brno University of Technology, the Czech Republic, in 2010. In 2010, he joined ON Semiconductor as an application engineer for switch-mode power supply controllers, focused on LLC resonant converters. He also worked on additional topologies like flyback or forward converters.

Tomáš Tichý

Applications Engineer

Tomáš Tichý received his engineering degree from the Brno University of Technology in 2007 and has seven patents. He joined ON Semiconductor in 2007 as an application engineer for DC-DC converters. Later, he worked as an application engineer for LDO products. He has been an ac-dc application engineer since 2011, focusing on secondary side controllers.

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Korea

Sang Cheol (Caprio) Moon

Senior Principal System & Application Engineer

Sang Cheol (Caprio) Moon is a senior principal system & application engineer at ON Semiconductor since 2007. He has been involved in the development of buck, flyback, boost PFC, LLC and synchronous rectification controllers. His research interests are in power electronics including PMIC system architecture, analysis, modeling, control method, design of high-performance power converters, power factor correction and wireless power transfer systems. He received his Ph.D. degree in electrical engineering from Korea Advanced Institute of Science and Technology (KAIST), Korea in 2014.

Charles Eum

LED Lighting Application Manager

Charles Eum is an application manager in LED lighting segment at ON Semiconductor. He started his career at Fairchild since 2008 and has been involved in various AC-DC power solutions such as LLC, PFC, flyback, direct AC drive and buck driver. He received a B.S. degree in electrical engineering from Korea University in 2006 and an M.S. degree in electrical engineering from KAIST in 2008.

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Inki Park

Application Manager

Inki Park is an application manager for offline power conversion segment at ON Semiconductor, focusing on switch-mode power supply controllers. Prior to joining the company, he was involved in designing display and LED lighting power systems with flyback, LLC and PFC topologies. He received a B.S degree and an M.S degree in electrical engineering from Kangwon National University in 2002 and 2004 respectively.

Joohoon Kim

Application Engineer

Joohoon Kim joined ON Semiconductor as an application engineer in 2017 and has been participating in developing switcher products including buck and flyback. He started his career at LG Innotak as an R&D engineer in 2010, with exposure to various SMPS products including display power and LED lighting drivers. He received an M.S. degree in electrical engineering from Jeon-ju University in 2010.