

1. Record Nr.	UNINA9910437763603321
Titolo	Advanced Microsystems for Automotive Applications 2013 [[electronic resource] ] : Smart Systems for Safe and Green Vehicles // edited by Jan Fischer-Wolfarth, Gereon Meyer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2013
ISBN	3-319-00476-X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (397 p.)
Collana	Lecture Notes in Mobility, , 2196-5544
Disciplina	629.2 629.2/72 629.272
Soggetti	Automotive engineering Mechatronics Transportation Electronic circuits Nanotechnology Automotive Engineering Circuits and Systems Nanotechnology and Microengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Driver Assistance and Road Safety -- Networked Vehicles -- Electrified Vehicles -- Energy Efficiency -- Components & Systems.
Sommario/riassunto	The road vehicle of the future will embrace innovations from three major automotive technology fields: driver assistance systems, vehicle networking and alternative propulsion. Smart systems such as adaptive ICT components and MEMS devices, novel network architectures, integrated sensor systems, intelligent interfaces and functional materials form the basis of these features and permit their successful and synergetic integration. They increasingly appear to be the key enabling technologies for safe and green road mobility. For more than fifteen years the International Forum on Advanced Microsystems for Automotive Applications (AMAA) has been successful in detecting novel

trends and in discussing the technological implications from early on. The topic of the AMAA 2013 will be “Smart Systems for Safe and Green Vehicles”. This book contains peer-reviewed papers written by leading engineers and researchers which all address the ongoing research and novel developments in the field. [www.amaa.de](http://www.amaa.de).

---