

# Technical Papers

1	Mobility of the Future	8
2	Powertrain Systems	24
3	Developing Combustion Engines	42
4	Manual Gearbox	56
5	Centrifugal Pendulum-type Absorber	78
6	Clutch Release Systems	94
7	Clutch Systems	112
8	Synchronisation Systems	126
9	Simulation Engine Systems	140
10	Camshaft Phasing Systems	156
11	Valvetrain Systems	172
12	Variable Valvetrain	188
13	Rolling Bearings for Turbochargers	202
14	48-volt Electric Axle	212
15	Double Clutch Systems	224
16	Dry Double Clutch	230
17	Wet Double Clutch	244
18	Planetary Transmission 1	256
19	Planetary Transmission 2	270
20	Torque Converter	280
21	Thermal Management	302
22	Timing Drive Systems	318
23	Customized Friction	330
24	Start-Stop	346
25	Transmission Actuators	360
26	Differential Systems	378
27	Chassis	392
28	Range-Extender	412
29	Hybrid Modules	426
30	Wheel Hub Drives	440
31	What Powertrains Could Learn from Each Other	452
32	CAFE Demonstrator	468
33	Belt Drive Systems	480
34	CVT	498

Solving the Powertrain Puzzle

10th Schaeffler Symposium April 3/4, 2014

Schaeffler Technologies GmbH & Co. (Ed.)

2014, VII, 521 p. 528 illus. in color., Softcover

ISBN: 978-3-658-06194-4