



Plenary		Developments for the future	75
<i>Prof. Ulrich Sieberath</i> Foreword	1	<i>Min.-Rat Hans-Dieter Hegner</i> From Passivhaus to Plusenergy house Implementation of the energy turnaround in construction	77
<i>Prof. Ulrich Sieberath</i> Facts – Figures – Background information: developments affecting the industry	3	<i>Dr.-Ing. Jan Wurm</i> Photobioreactors on facades for energy generation Alternative technologies in the building envelope	83
<i>Prof. Christian Niemöller</i> The Construction Products Regulation – in effect for 100 days Reports of practical cases and tips from companies, the law and market surveillance	11	Safety	89
Energy turnaround	13	<i>Jens Pickelmann</i> Limits and opportunities in mechanical burglar resistance Knowing and confidently applying current requirements	91
<i>André Hempel</i> Is the energy turnaround losing steam? What actually is involved with EnEV 2014?	15	<i>Dr. Gerhard Wackerbauer</i> Fire safety of windows and facades: Where next? Hardly flammable or not combustible – background, requirements, concepts and construction law	97
<i>Dr. Martin H. Spitzner</i> Solar screening for window manufacturers: easy solutions Easy assessment of the need for shading devices and tips for providing evidence in accordance with EnEV	19	Developments in construction	103
Refurbishment	27	<i>Dr.-Ing. Odette Moarcas</i> Wood preservatives in window construction Implementation of DIN 68800 and considerations for architects and building owners	105
<i>Christian Wetzel</i> Focus on cost-efficient refurbishment Easy ways of determining the cost/benefit ratio and using it for client advice	29	<i>Jörn P. Lass</i> Quality strategies for PVC windows The new RAL-GZ 716 – What has changed?	111
<i>Martin Heßler</i> Avoiding condensate and mould Tips, duty of information and sample cases for avoiding damage in existing and new buildings	35	<i>Michael Müller</i> DIN EN 1090 in practice Special issues relating to metal windows and facades	119
Glass	41	What's new in construction legislation	123
<i>Norbert Sack</i> Lighter is possible Results of the ift research project on the weight of insulating glass units (IGU)	43	<i>Klaus-Dieter Wathling</i> Model Building Code and the Building Regulations of the Federal States – current interpretations Changes to fire safety, escape routes and accessibility	125
<i>Karin Lieb</i> "It lasts and lasts and lasts..." – Long-term test of SG (structural glazing) facade What that means for windows and facades	49	<i>Bernd Saß</i> Sound insulation in practical construction The new DIN 4109: Requirements, parameters and application rules – consequences for windows and facades	133
<i>Prof. Dr.-Ing. Geralt Siebert</i> The effects of the new DIN 18008 ff. on the use of glass in windows and external pedestrian doorsets What has become easier in the verification procedure?	55	<i>Robert Kolacny</i> Implementation of the requirements for accessibility resulting from construction legislation Technical solutions and their limits	139
Market & Trends	61	Workshops	145
<i>Prof. Dr.-Ing. Runa T. Hellwig</i> User-friendliness and room climate More than technical optimisation of individual room climate parameters!	63	Media cooperation	153
<i>Ulrich Tschorn</i> Are energy upgrades cost-effective? An overview to add to the current discussion	65		
<i>Prof. Dr.-Ing. Ulrich Bogenstätter</i> The workings of the massive housing refurbishment industry The potential and decision criteria for replacing windows from the point of view of the housing industry	69		