NextGen Auto
International Summit China

Kerry Hotel
Pudong, Shanghai

Co-organised by:
NDRC messe frankfurt

Programme Agenda

TUESDAY, 11 DECEMBER – Day 1			
Morning	Automechanika opens - VIPs visit to exhibition		
Afternoon	Keynotes I: Policies, planning and priorities for senior executives and government		
	Developing China's automotive industry … new policies, directions and what can be learnt from overseas experiences		

WEDNESDAY, 12 DECEMBER - Day 2			
Morning	Keynotes II: Business innovation, strategy and planning for senior executives		
	Adopting new business models and technologies … opportunities and solutions creating value for OEMs and customers		
Afternoon	Track 1: E--mobility and personal transportation	Track 2: Commercial vehicles and fleets	Track 3: Connected vehicles and telematics

THURSDAY, 13 DECEMBER - Day 3		
Morning	Track 1: Charging solutions and Infrastructure impacts	Track 2: Seminar Batteries, energy storage and management for e-mobility
Afternoon	Automechanika exhibition viewing	

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[Tue 11 Dec/PM]

Keynotes I: Developing China's automotive industry … New policies, directions and lessons from overseas experiences

Focus: Growing pressures from environmental pollution, high oil prices, competition and overcapacity, as well as ever growing urban congestion, are increasing the focus of the global automotive industry on greener, more energy efficient technologies.

This opening keynote session will explore the spectrum of possible strategies in migrating from today's reliance on internal combustion engine technology to a future of new energy / zero emission vehicles, including possible interim hybrid, clean fuel and related solutions that can sustain viable industry development. The role of various key innovating technologies that could potentially facilitate transition to a more sustainable and profitable industry future will be examined.

Participating speakers confirmed to date:

NDRC (speaker tba)

Hou Yunchun, Vice President, Development Research Center of the State Council (DRC) (tbc)

Allan Larsson, Vice Chairman and Project Manager, ElBil2020, Sweden

Christian Heep, Chief Executive Officer and Head of Marketing, Federal Association for eMobility (BEM e.V.), Germany

Andreas Serra, Managing Director and Partner, Promotor GmbH, Germany (joint presenter with BEM)

M. Madani Sahari, Chief Executive Officer, Malaysia Automotive Institute (MAI), Malaysia

Dr. Tiezheng Li, Automotive Practice Leader, Engagement Manager, McKinsey & Company, Shanghai

Dr. Zhen Zijian, Vice Director, National 863 Program, Office of Energy Conservation and New Energy Vehicle Project, Ministry of Science and Technology (MOST) (tbc)

Liu Jianhua, Director, New Energy Vehicle Promotion Office, Shanghai Municipal Commission of Economy and Informatization (tbc)

Programme presentation and discussion topics:

12:30 Registration and coffee

14:00 Welcome and opening remarks

14:10 Policies, priorities and progress in implementing China's 12th Five Year Plan 2011-2015 for new energy efficient vehicles industry development

- Objectives, goals and future directions for development of China's automotive industry towards greater energy efficiency and sustainability
- Making the transition to the next generation – interim steps and bringing together key stakeholders

NDRC (speaker tba)

14:30 Reinforcing the competitiveness of China's national automotive enterprises and the importance of technology advancement for industrialization

Hou Yunchun, Vice President, Development Research Center of the State Council (DRC) (tbc)

14:45 Promoting scientific and technological progress in China's automotive sector for competitiveness and growth

Dr. Zhen Zijian, Vice Director, National 863 Program, Office of Energy Conservation and New Energy Vehicle Project, Ministry of Science and Technology (MOST) (tbc)

15:00 Policies, planning and priorities to support development of Shanghai's new energy automotive industry

Liu Jianhua, Director, New Energy Vehicle Promotion Office, Shanghai Municipal Commission of Economy and Informatization (tbc)

15:15 Going green - Electrification of China's auto industry

Dr. Tiezheng Li, Automotive Practice Leader, Engagement Manager, McKinsey & Company, China

15:40 Networking coffee break

16:00 Sweden's ElBil initiative to be a world leader in EV usage by 2020

- Plans for engaging the whole community for transition to fossil-fuel free transportation
- Progress to date and future direction

Allan Larsson, Vice Chairman and Project Manager, ElBil2020, Sweden

16:25 On the way to becoming a global e-mobility market player: Vision and facts from Europe in a changing world

- Electric mobility picture in Germany
- How this relates to European and international developments
- Automotive economy and ecology considerations
- Products, sales-strategies and steps being taken to implement e-mobility

Christian Heep, Chief Executive Officer and Head of Marketing, Federal Association for eMobility (BEM), Germany
&
Andreas Serra, Managing Director and Partner, Promotor GmbH, Germany

16:50 Turning Malaysia into an energy efficient vehicle (EEV) international hub

- Strategies adopted, progress to date and future direction

M. Madani Sahari, Chief Executive Officer, Malaysia Automotive Institute (MAI), Malaysia

17:15 Panel discussion and Q&A: Automotive industry development and transformation - Where to next in the shorter-term and longer-term?

- Expectations on auto technology development roadmap to zero emissions
- Commercialization and market risks
- Vehicle and infrastructure technology maturity considerations

Panelists include:

Dr. Tiezheng Li, Automotive Practice Leader, Engagement Manager, McKinsey & Company, China

Allan Larsson, Vice Chairman and Project Manager, ElBil2020, Sweden

Christian Heep, Director, Marketing Board and Chief Editor, New Mobility, Federal Association for eMobility (BEM e.V.), Germany

M. Madani Sahari, Chief Executive Officer, Malaysia Automotive Institute (MAI)

17:45 Close of session

[Wed 12 Dec/AM]

Keynotes II: Adopting new business models and technologies … Opportunities and solutions creating value for OEMs and customers

Focus: China's evolving auto industry and energy policy directions promise to open up new opportunities for both existing OEMs and suppliers to re-think their business models. Potential new entrants are looking to exploit potentially disruptive technologies ranging from connected vehicle technologies to new personal mobility, commercial vehicle and fleet solutions.

This keynote session will explore how the automotive industry in China and globally is likely be transformed over the coming years. New and emerging business models will be identified that promise competitive advantage and profitable market growth.

Participating speakers confirmed to date:

Ivo Naumann, Managing Director, AlixPartners, Shanghai

Prof. Lang Zhizheng, School of Management and Economics, BIT; Counselor of State Council; Executive Director, China Quality Association; Executive Director, China Association for Standardization (tbc)

Bill Russo, President & CEO, Synergistics & Senior Advisor, Booz & Company, China

Sun Xiaohua, Vice Chairman, Brand China Industry Union (BCIU) & Vice President, All-China Federation of Industry and Commerce (tbc)

Prof. Ma Jun, Tongji University Automotive Marketing / Sino-German EV Research Centre (tbc)

Liang Yuancong, Secretary-General, Shanghai Society of Automotive Engineers (SAE-S) - attached to SAIC Motor Corporation (tbc)

Martin Rosell, Managing Director, WirelessCar, Sweden

Ms. Francesca Forestieri, Director, mAutomotive, Connected Living Programme, GSMA, UK (panel)

Dr. Anthony Thomson, Vice President, Business Development and Marketing, Qualcomm Europe, UK (panel)

Programme presentation and discussion topics:

8:00 Registration and coffee

9:00 Welcome and opening remarks

9:10 Towards a green automotive industry: China's vision to create a green transportation paradigm for 21st century mobility
- Collaborative partnership needs across the value chain to realize the vision

Bill Russo, President & CEO, Synergistics & Senior Advisor, Booz & Company, China

9:35 The future of Shanghai Automotive: Technology outlook and sustainable solutions for personal transportation in tomorrow's city

Liang Yuancong, Secretary-General, Shanghai Society of Automotive Engineers (SAE-S) - attached to SAIC Motor Corporation (tbc)

10:00 Building brand strength of China's automotive enterprises for competitiveness in a new era of smart connected and energy efficient vehicles

Sun Xiaohua, Vice Chairman, Brand China Industry Union (BCIU) & Vice President, All-China Federation of Industry and Commerce (tbc)

10:20 Sino-German EV development directions and experiences from technology cooperation

Prof. Ma Jun, Tongji University Automotive Marketing / Sino-German EV Research Centre (tbc)

10:40 Networking coffee break

11:00 Nextgen auto market - Growth sectors, strategies for improvement and potential for aftermarket sector

Ivo Naumann, Managing Director, AlixPartners, Shanghai

11:25 The key role for quality management improvement and standards advancement for enhancing China's automotive competitiveness in a global industry

Prof. Lang Zhizheng, School of Management and Economics, BIT; Counselor of State Council; Executive Director, China Quality Association; Executive Director, China Association for Standardization (tbc)

11:45 A standardized platform to implement brand value and unique value added services

Martin Rosell, Managing Director, WirelessCar, Sweden

12:10 Panel discussion and Q&A: Promoting future growth opportunities and new business models for the automotive industry - What will the collaborative ecosystem of the future look like?

- How will migration to smart connected and energy efficient vehicles extend the industry value chain?
- What opportunities are emerging for new players from outside the auto industry?

Panelists include:

Bill Russo, President & CEO, Synergistics & Senior Advisor, Booz & Company, China

Ivo Naumann, Managing Director, AlixPartners, Shanghai

Martin Rosell, Managing Director, WirelessCar, Sweden

Ms. Francesca Forestieri, Director, mAutomotive, Connected Living Programme, GSMA, UK

Dr. Anthony Thomson, Vice President, Business Development and Marketing, Qualcomm Europe

12:45 Close of session

[Wed 12 Dec/PM]

Track 1: E-mobility and personal transportation … Critical technologies and best practice design for success

Focus: Globally, the next couple of decades are likely to see dramatic changes in personal transport with 60% of the world's population forecast to be concentrated in urban areas. City road networks will become more congested than ever with tremendous pressure on public transportation.

This session will focus on concepts for new lighter and more energy efficient vehicles which are potentially able to operate autonomously and can effectively meet the changing needs of customers. Possible market transformation models, critical technologies as well as key design and safety factors for successful uptake by early adopters, mass market and fleet purchasers, will be explored.

Participating speakers confirmed to date:

Dr. Cheng Lin, Professor, Vice Director, National Engineering Laboratory for Electric Vehicles (NELEV), Beijing Institute for Technology (BIT)

BYD (tbc)

Cheng Wang, Executive Director, Clean Energy Vehicle Productivity Promotion Center, China Automotive Technology and Research Center (CATARC)

Yan XiaoJun, Chief Engineer, Battery R&D Department, Chery (tbc)

Zhuo Zhang, Research Associate, Lux Research, USA

Md Ridzuan Bin Md Yusof, Head, Advanced Research and Collaboration, Research Department, Proton, Malaysia

Dr. Gang G. Xu, Partner, PwC's PRTM Management Consulting

Rob van der Aar, Business Development Manager, TNO-Homologations, Netherlands

Yale Zhang, Managing Director, Automotive Foresight, Shanghai (panel)

Programme presentation and discussion topics:

13:00 Registration

14:00 Welcome and opening remarks

14:05 Product innovation for smarter, lighter and more energy efficient passenger vehicles

Dr. Gang G. Xu, Partner, PwC's PRTM Management Consulting

14:30 Redefining personal mobility and urban transport with smart, emission free vehicles for the consumer and fleet markets

BYD (tbc)

14:50 Technology harmonization for development of low emission, energy efficient vehicles

Cheng Wang, Deputy Chief Engineer, Clean Energy Vehicle Productivity Promotion Center, China Automotive Technology and Research Center (CATARC)

15:10 Innovating electrification of the automotive industry - Proton's perspective from Malaysia

- R&D in new vehicle concepts
- Opportunities and challenges with electrification

Md Ridzuan Bin Md Yusof, Head, Advanced Research and Collaboration, Research Department, Proton, Malaysia

15:30 Networking coffee break

15:50 China pure EV technology: Current status and prospects for adoption

Dr. Cheng Lin, Professor, Vice Director, National Engineering Laboratory for Electric Vehicles (NELEV), Beijing Institute for Technology (BIT)

16:10 Hype vs. reality - Innovations and market prospects for lithium batteries

- Government policies and market factors driving lithium-ion battery adoption
- Emerging opportunities in electric bikes and hybrid / electric vehicles
- Importance of navigating partnerships that can leverage technology and drive growth

Zhuo Zhang, Research Associate, Lux Research, USA

16:30 Battery technology innovation and intelligent management system for enhanced electric vehicle efficiency and performance

Yan XiaoJun, Chief Engineer, Battery R&D Department, Chery (tbc)

16:50 Battery system, vehicle design and regulations for safe and efficient operation

Rob van der Aar, Business Development Manager, TNO-Homologations, Netherlands

17:10 Panel discussion and Q&A: Next generation automotive technologies, markets and services - How can customer uptake of new smarter, energy efficient vehicles be maximized?

Panelists include:

Dr. Gang G. Xu, Partner, PwC's PRTM Management Consulting, Shanghai

Yale Zhang, Managing Director, Automotive Foresight, Shanghai

Md Ridzuan Bin Md Yusof, Head, Advanced Research and Collaboration, Research Department, Proton, Malaysia

Zhuo Zhang, Research Associate, Lux Research, USA

17:40 Close of session

[Wed 12 Dec/PM continued]

Track 2: Commercial vehicles and fleets … Generating cost savings, energy efficiencies and productivity benefits

Focus: China's commercial vehicle market faces both opportunities and challenges in 2012 with uncertainties in world economic recovery and China's economic transition. The large and densely populated cities are well suited to new energy vehicle concepts and technologies, particularly for fleets of light delivery vehicles and taxis. For truck fleets operations between cities, other solutions to lower carbon and energy efficiency need to be considered.

This session will examine the potential for reducing emissions, fuel and other costs through development of new markets for commercial light vehicles, truck and taxi fleets. Some of the latest thinking on commercial vehicle strategies and solutions, as well as which technologies are most appropriate, will be explored.

Participating speakers confirmed to date:

Dr. Andy Frank, CTO, Efficient Drivetrains & Professor, Mechanical Engineering, University of California Davis, USA

Grant Watson, University of California Davis, USA (joint presenter with Dr. Frank)

Rick D. Longobart, Executive Director, Clean Energy Vehicle Productivity Promotion Center, City of Santa Ana, California, USA

Mats Harborn, Chief Representative, Scania, Beijing

Dr. Christian Kunkel, Senior Advisor, Scania China Strategic Centre

Cummins (tbc)

Hart Energy, Singapore

Programme presentation and discussion topics:

13:00 Registration

14:00 Welcome and opening remarks

14:10 Commercial vehicles and fleets: Generating cost savings, efficiencies and productivity benefits

- Trends in commercial vehicle design as an integrated system balancing end user needs with safety, fuel efficiency and engine emission standard needs

Mats Harborn, Chief Representative, Scania, Beijing

14:40 The potential for natural gas engine (NGE) powered truck fleets in China: Technology innovation and business case

Cummins (tbc)

15:05 Practical and cost-effective range-extended electric vehicle taxi system for Chinese

cities

- Potential for a taxi system using hybrid automobile technology and designed to assist the displacement of oil
- Low-cost vehicle design example and the advanced infrastructure needed to make a cost-effective, reliable system
- Return on investment return and achievable cost-benefits

Dr. Andy Frank, CTO, Efficient Drivetrains & Professor, Mechanical Engineering, University of California Davis, USA (Dr. Frank is recognized as father of the plug-in hybrid electric vehicle)
&
Grant Watson, University of California Davis, USA

15:40 Networking coffee break

16:05 How telematics services and applications are impacting municipal governments through the reduction of carbon footprint and streamlining fleet operations

Rick D. Longobart, Executive Director, Clean Energy Vehicle Productivity Promotion Center, City of Santa Ana, California, USA

16:35 Biofuel potential for sustainable heavy vehicle, long haul transportation

- Sustainability prospects for bioethanol, biodiesel and biogas

Hart Energy, Singapore

17:00 Panel discussion and Q&A: Promoting the transformation to greener commercial vehicle fleets and clean fuels

- Which alternative clean fuel, hybrid and EV solutions offer the most promise for environmentally sustainable development of commercial vehicle fleets?
- How can emissions and greener community goals be met and performance needs realized at affordable cost?

Panelists include:

Dr. Christian Kunkel, Senior Advisor, Scania China Strategic Centre

Rick D. Longobart, Executive Director, Clean Energy Vehicle Productivity Promotion Center, City of Santa Ana, California, USA

Dr. Andy Frank, CTO, Efficient Drivetrains & Professor, Mechanical Engineering, University of California Davis, USA

17:30 Close of session

[Wed 12 Dec/PM continued]

Track 3: Connected vehicle technologies and telematics … Transforming the driver experience and generating new revenues

Focus: New connectivity technologies and telematics promise to transform the consumer automotive experience and minimize workload through powerful applications and services. These innovations also provide attractive new revenue opportunities for OEMs, suppliers and service providers.

This session will explore the potential for services and applications such navigation, infotainment, safety, security, range conservation, charging station location, battery performance management, charging costs, and other key connected applications for consumer, fleet, transport and insurance markets

Participating speakers confirmed to date:

Klaus Paur, Global Head of Automotive, Ipsos, Shanghai

Ms. Francesca Forestieri, Director, mAutomotive, Connected Living Programme, GSMA, UK

Michael Li, Department Manager, Connected Vehicle Department, Division for Telematics and Vehicular Control System, Information & Communications Research Laboratories, Industrial Technology Research Institute (ITRI), Taiwan

Ms. Yijing Brentano, Vice President, International Wholesale and Business Development, Sprint, USA

David Xu, Senior Analyst, Automotive Multimedia and Communications Service, Strategy Analytics, Shanghai

Programme presentation and discussion topics:

13:00 Registration

14:00 Welcome and opening remarks

14:10 Telematics and HMI - Understanding the need for connectivity
- Knowledge and understanding of telematics
- Relevance to the purchase decision
- Most demanded services
- Willingness to pay for telematics services

Klaus Paur, Global Head of Automotive, Ipsos

14:40 Key market drivers and challenges driving the future of infotainment and telematics systems in China

David Xu, Senior Analyst, Automotive Multimedia and Communications Service, Strategy Analytics

15:10 Accelerating the development and deployment of embedded automotive devices and solutions for mobile connectivity

- Embedded connectivity challenges and opportunities
- Cross industry collaboration
- Application development frameworks and ecosystem
- Future directions for mAutomotive

Ms. Francesca Forestieri, Director, mAutomotive, Connected Living Programme, GSMA, UK

15:40 Networking coffee break

16:00 The wireless carrier as systems developer: Transforming the carrier / auto manufacturer relationship

- Realizing the opportunity for a compelling mobility experience with in-vehicle connectivity and a machine-to-machine ecosystem
- Going beyond connectivity: role of the wireless carrier as a true systems developer and integrator for the entire connected vehicle experience
- Enabling an agile and adaptable partnership between auto manufacturer and wireless operator with the Sprint Velocity framework
- Building a continuous, personalized relationship with the end-customer

Ms. Yijing Brentano, Vice President, International Wholesale and Business Development, Sprint, USA

16:30 Status and opportunities for telematics applications: Including international project experiences

- Connected vehicle R&D initiatives for driving safety, comfort and economy
- Developments with WAVE/DSRC (IEEE 802.11p) for vehicle connectivity
- V2V (vehicle-to-vehicle) and V2I (vehicle to infrastructure)-based safety applications and CAMP (Crash Avoidance Metrics Partnership)
- Real-world testing and experiences with international projects

Michael Li, Department Manager, Connected Vehicle Department, Division for Telematics and Vehicular Control System, Information & Communications Research Laboratories, Industrial Technology Research Institute (ITRI), Taiwan

17:00 Panel discussion and Q&A: The connected vehicle and telematics value chain: How will new services and applications be monetized?

- What are the opportunities open to OEMs for in-car revenue?
- To what extent can in-vehicle services and information be a key product differentiator influencing consumer choice?
- What contribution can be made to enhancing driver experience and increasing safety?

Panelists include:

Klaus Paur, Global Head of Automotive, Ipsos

David Xu, Senior Analyst, Automotive Multimedia and Communications Service, Strategy Analytics

Ms. Yijing Brentano, Vice President, International Wholesale and Business Development, Sprint, USA

Michael Li, Department Manager, Connected Vehicles, Division for Telematics and Vehicular Control System, Industrial Technology Research Institute (ITRI), Taiwan

17:30 Close of session

[Thu 13 Dec/AM]

Track 1: Charging and infrastructure impacts … Technology solutions, deployment strategies and building customer relationships

Focus: Global migration to hybrid and electric vehicles presents major challenges for utilities in terms of grid demand management and distribution infrastructure, but also offers the promise of new business opportunities.

This session will explore the key role of the power grid and energy service companies in delivering key NEV infrastructure needs as well as leveraging customer relationships and offering innovative charging models. Vital progress towards industry standards for EV will be highlighted.

Participating speakers confirmed to date:

China Southern Power Grid (tbc)

Wei An, Chief Executive Officer and Executive Director, China Titans Energy Technology Group Co. (tbc)

Dr. Anthony Thomson, Vice President, Business Development and Marketing, Qualcomm Europe

State Grid Corporation of China (tbc)

Hiroyuki Aoki, Senior Manager, Mobility Technology Group, R&D Centre, Tokyo Electric Power Company (TEPCO) & CHAdeMO, Japan

Dr. Jan Fritz Rettberg, Executive, Competence Centre E-Mobility, Infrastructure and Grids, TU Dortmund, Germany

Programme presentation and discussion topics:

8:00 Registration

9:00 Welcome and opening remarks

9:10 Priorities and planning for the national electric vehicle charging infrastructure
- Bringing together smart grid, transportation network and Internet to provide integrated services to EV users

State Grid Corporation of China (tbc)

9:30 Development of smart grid infrastructure to support electric vehicle direct charging and battery swap modes
- Including demonstration / pilot projects experience in southern cities

China Southern Power Grid (tbc)

9:50 Development of the charging market and technology industrialisation direction in China: Including case studies on Shanghai World Expo and other latest projects

Wei An, Chief Executive Officer and Executive Director, China Titans Energy Technology Group Co. (tbc)

10:10 Wireless charging - The future of electric

- Wireless charging - how effective as a potential solution for range anxiety?
- Potential for wireless electrified highway infrastructure

Dr. Anthony Thomson, Vice President, Business Development and Marketing, Qualcomm Europe (Dr. Thomson was founder of HaloIPT prior to Qualcomm's acquisition)

10:40 Networking coffee break

11:00 Realising electric mobility - Japan's experiences with charging infrastructure, CHAdeMo and future direction

Hiroyuki Aoki, Senior Manager, Mobility Technology Group, R&D Centre, Tokyo Electric Power Company (TEPCO) & CHAdeMO, Japan

11:30 Role of electric vehicles in the future power grid: Including testing and development environment for interoperable e-mobility

- Developing national infrastructure that can reliably support multiple EV business models and market strategies

Dr. Jan Fritz Rettberg, Executive, Competence Centre E-Mobility, Infrastructure and Grids, TU Dortmund, Germany

12:00 Panel discussion and Q&A: Investing in new energy vehicle infrastructure, charging systems and services: Can investment be future-proofed and how can returns be maximized?

Panelists include:

Dr. Jan Fritz Rettberg, Executive, Competence Centre E-Mobility, Infrastructure and Grids, TU Dortmund, Germany

Dr. Anthony Thomson, Vice President, Business Development and Marketing, Qualcomm Europe

Hiroyuki Aoki, Senior Manager, Mobility Technology Group, R&D Centre, Tokyo Electric Power Company (TEPCO) & CHAdeMO, Japan

12:30 Close of session

Track 2 - Seminar: Energy storage for the e-mobility revolution

Details to be advised

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