2018 国际烯烃及聚烯烃大会

2018 International Olefin and Polyolefin Conference

2018 年 3 月 20-23 日 中国宁波
March 20-23, 2018 Ningbo, China

主办单位 Hosts

中国化工学会(CIESC)

汤森咨询 (Townsend Solutions)

宁波市科学技术协会(Ningbo Science and Technology Association)

承办单位 Organizer

宁波工程学院

(Ningbo University of Technology)

协办单位 Co-Organizers

中国石化镇海炼化公司

(Sinopec Zhenhai Refining & Chemical Company)

宁波石化经济技术开发区

(Ningbo Petrochemical Economic and Technological Development Zone)

日程安排

Agenda

MONDAY MARCH 19, 2018 3 月 19 日 14:00-20:00 REGISTRATION 报到
TUESDAY MARCH 20, 2018 3 月 20 日 10:00-21:00 REGISTRATION 报到
Sheraton Ningbo Hotel 宁波东港喜来登酒店

TUESDAY MARCH 20, 2018 3 月 20 日全天
8:30-17:00 TECHNICAL WORKSHOP 专题技术培训

Moderator: Dr. Clifford Lee, Vice President Technology and Market Studies, Townsend Solutions, USA
主持人：汤森咨询公司副总裁黎靖宇博士

A.8:30-12:00 Polyethylene Technology Workshop 聚乙烯工业技术培训

8:30-10:00 Section 1: Conducted by Dr. LinFeng Chen, R&D Leader, The Dow Chemical Company, USA 陈林枫博士，美国陶氏化学公司研发负责人		
Theme 主题	Industry Overview, The History and Evolution of Polyethylene Catalysts and Processes 行业概况、聚乙烯催化剂的发展和突破	The 2017 global capacities of HDPE, LLDPE, LDPE, and EVA along with regional consumptions are presented. The growth rate and annual revenue for global polyethylene industry are estimated. The top 15 highest capacity players are reviewed. Major commercial PE catalyst systems will be reviewed and compared: Cr catalysts (supported), ZN catalysts (supported and non-supported), gas phase catalysts, single modal and bimodal catalysts, metallocene catalysts (bisCP and Uni-Cp), and post metallocene (early transition metal catalysts and later transition catalysts). Processes reviewed are Hyperzone, Unipol I and II, MarTECH SL, MarTECH ADL, Innovene S, Mitsui CX, LBI's ACP (Hostalen), Nova's Sclairtech and Advanced Sclairtech Technology (AST), and Dow Dowlex solution process etc. A correlation will be established between catalyst features, polymerization processes, polymer characteristics, polymer rheology, and the markets and applications. PE technology trends and drivers will be presented. 分析 HDPE、LLDPE、LDPE 和 EVA 的 2017 年全球产能及区域消费量，并预测全球聚乙烯工业的增长率及年收益情况等。着重分析该领域内排名前 15 的企业情况。重点介绍和比较主要商业化应用的聚乙烯催化剂体系性能：Cr 催化剂（负载型），ZN 催化

		剂（负载型和非负载型），气相催化剂，单一模式和双模式催化剂，茂金属催化剂（bisCP 和 Uni-Cp）和后茂金属（早期过渡金属催化剂和后来的变换催化剂）。全球知名公司聚乙烯聚合方法，并将建立催化剂特征、聚合过程、聚合物特性、聚合物流变学以及市场和应用之间的相关性，呈现聚乙烯技术趋势和发展方向。
10:00-10:30 Coffee break 茶歇		
10:30-12:00 Section 2: Conducted by Dr. Shaotian Wang, former PE Catalyst Specialist, Lyondellbasell, USA 王哨天博士，前美国利安德巴塞尔工业公司聚乙烯催化专家		
Theme 主题	Special Topic -Polyethylene Catalyst Support Technology 聚乙烯催化剂配套技术	An overview of polyethylene and polypropylene development history will be presented. The fundamental knowledge of publicly known technologies including polyethylene and polypropylene catalysts classification and manufacturing processes will be described and interpreted. 概述介绍聚乙烯和聚丙烯发展历史，描述和解释包括聚乙烯和聚丙烯催化剂分类和生产过程在内的基本知识的公知技术。

12:00-13:30 LUNCH 午餐

B.13:30-17:00 Polypropylene Technology Workshop 聚丙烯工业技术培训

13:30-15:00 Section 1: Conducted by Dr. CP Cheng, Product Manager PO Catalysts, Clariant Corporation, Switzerland 郑仲平博士，科莱恩公司聚烯烃催化剂产品经理		
Theme 主题	Industry Overview, the History and Evolution of Polypropylene Catalysts. 行业概况、聚丙烯催化剂的发展和突破	The 2017 global capacities of HPP, RCP, ICP, and TPO along with regional consumptions are presented. The growth rate and annual revenue for global polyethylene industry are estimated. The top 10 highest capacity players are reviewed. Highlights include work by Paul Hogan and Bob Banks of Phillips Petroleum, G. Natta of Milan, Italy. The six generations of PP catalysts and the Phthalate-free PP Catalysts. 介绍 HPP、RCP、ICP 和 TPO 的 2017 年全球产能及区域消费量，并预测全球聚丙烯工业的增长率和年收益等。着重分析该领域内排名前 10 的企业情况，重点介绍几代催化剂发展及应用情况。
15:00-15:30 Coffee break 茶歇		
15:30-17:00 Section 2: Conducted by Dr. CP Cheng, Product Manager PO Catalysts, Clariant Corporation, Switzerland 郑仲平博士，科莱恩公司聚烯烃催化剂产品经理		

Theme 主题	PP Polymerization Processes and Special topics on feedstock technology such as PDH and metathesis. 聚丙烯聚合工艺及原料技术如丙烷脱氢和复分解反应的专题分析。	Processes reviewed are Spheripol, Spherizone, Unipol PP, Innovene PP, Horizone , Hypol II, Borstar PP, Sumitomo, Catalloy, Vistamaxx, Versify, and Intune etc. A correlation will be established to correlate catalyst features, polymerization processes, polymer characteristics, polymer rheology, and the markets and applications. Special topics such as feedstock technologies will be discussed. Trends and Drivers for PP technologies are stated at the end of this session. 介绍全球知名公司聚丙烯聚合方法，展示催化剂特征、聚合方法、聚合物特性、聚合物流变性，以及市场和应用的关系图，并将专题讨论原料技术以及聚丙烯技术趋势和发展方向。

17:30-21:00 SUPPER 晚餐

Program 大会议程

DAY 1 –WEDNESDAY, MARCH 21, 2018	3月21日周三
Plenary Keynote Speech **大会报告** **Moderator: Prof. HUA Wei, Executive Vice President and Secretary General of CIESC** **主持人：中国化工学会副理事长兼秘书长 华炜**	
8:40 -9:00	Welcome address 嘉宾致辞
9:00 -9:30	**Syngas with high selectivity and one step reaction to obtain low carbon olefin** Prof. BAO Xinhe, President of University of Science and Technology of China, Academician of Chinese Academy of Sciences Prof. PAN Xiulian, Professor, Dalian Institute of Chemical Physics, CAS **高选择性一步法合成气制低碳烯烃技术** ——中国科技大学校长/中国科学院院士 包信和 中国科学院大连化学物理研究所研究员 潘秀莲
9:30 -10:00	**Diversification of raw materials for low carbon olefin production** Prof. WANG Zizong, Deputy Chief Engineer of Sinopec Group **低碳烯烃生产原料多元化**——中国石化集团公司副总工程师 王子宗
10:00 -10:20	**Tea Break 茶歇**
10:20 -10:50	**Analysis of the development of polyolefin industry in the new situation** Prof. HU Jie, Vice President of CNPC Petrochemical Research Institute **新形势下聚烯烃产业发展分析**——中国石油石油化工研究院副院长 胡杰
10:50 -11:20	**Advanced polypropylene products with CONSISTA catalysts developed for the UNIPOL PP process technology** Dr. John Oskam, R&D Director, Grace **基于 CONSISTA 催化剂开发的 UNIPOL 聚丙烯工艺技术及高性能产品**——美国格雷斯公司研发总监 Dr. John Oskam
11:30 -14:00	**LUNCH 午餐**

Moderator: Prof. YANG Yuanyi, Chief Supervisor of CIESC **主持人：中国化工学会监事长 杨元一教授**	
14:00 -14:30	**LYB technologies - Deliver leading performance** Chris Chen, Licensing Manager, LyondellBasell Polyolefin (Shanghai) Co., Ltd **LYB 技术-提供领先的性能**——利安德巴塞尔聚烯烃（上海）有限公司技术授权经理 陈谊品
14:30 -15:00	**Basic research promotes original innovation of polyolefin resin** Prof. QIAO Jinliang, Chief Expert of Sinopec Group Corporation **基础研究促进聚烯烃树脂原始创新**——中国石化集团公司首席专家 乔金樑
15:00 -15:30	**The present situation and outlook for China ethylene industry** Prof. QU Yansong, Deputy Chief Economist of the Economics and Development Research Institute of SINOPEC **中国乙烯工业现状及未来发展趋势分析**——中国石化经济技术研究院副总经济师 曲岩松
15:30 -15:50	**Tea Break 茶歇**
15:50 -16:20	**The route from coal to chemicals to high value polyolefin products** Dr. Shih-Yaw Lai, General Manager ,Shenhua (Beijing) New Materials Company **从煤炭到煤基化学品到高端聚烯烃之路**——神华（北京）新材料科技有限公司总经理 赖世耀
16:20 -16:50	**Shale gas status and path forward** Dr. Clifford Lee, Vice President Technology and Market Studies, Townsend Solutions, USA **页岩气的现状及发展路径**——汤森咨询公司副总裁 黎靖宇博士
17:30 -21:00	**DINNER 晚餐**
DAY 2 –THURSDAY, MARCH 22, 2018	**3月22日周四**
Session 1: Olefin and Polyolefin Feedstock and Petrochemical **分论坛 1：烯烃和聚烯烃原料和工艺技术** **Moderator: Prof. WANG Yuqing, Vice Secretary General and Senior Counselor of CIESC** **主持人：中国化工学会副秘书长、高级顾问 王玉庆**	
9:00 -9:30	**CATOFIN dehydrogenation technology** Mr. Matthew Wang, Business Development & Technology Manager, CB&I **CATOFIN 脱氢技术** ——美国西比埃公司商务发展与技术经理 王建国

9:30 -10:00	**KBR innovative technical solutions for olefins production** Mr. Ray Liu, Technology Licensing Manager, KBR **KBR 创新型烯烃产品解决方案**——KBR 公司中国区技术转让经理 刘锋涛
10:00 -10:30	**Production of ethylene from refinery dry gas and light hydrocarbons** LI Dongfeng, Director of Production Technology Department, SINOPEC Beijing Research Institute of Chemical Industry **炼厂干气及轻烃制乙烯技术**——中国石化北京化工研究院生产技术研究所主任 李东风
10:30 -10:50	**Tea Break 茶歇**
10:50 -11:20	**Metathesis of C4 olefin to value-added products over heterogeneous catalysts** Dr. LI Xiujie, Research Associate, The Dalian Institute of Chemical Physics (DICP) **碳四烯烃歧化转化路径及催化剂开发——**中科院大连化学物理研究所研究员 李秀杰
11:20 -11:50	**Dehydrogenation and polyolefin project implementation experience introduction** ZHANG Qiyun, Senior Engineer, Sinopec Ningbo Engineering Co., Ltd (SNEC) **丙烷脱氢及聚烯烃工程实施经验介绍**——中石化宁波工程有限公司高级工程师 张启云
12:00 -14:00	**LUNCH 午餐**
14:00 -14:30	**Characteristics of major bioplastics** Dr. In-Joo Chin, President of Korean Bioplastics Association, Korea **生物塑料特性分析**——韩国仁荷大学教授 In-Joo Chin 博士
14:30 -15:00	**Structure development in ultra-high molecular weight polyethylene fiber processing** Dr. YANG Jian, Ningbo University of Technology **超高分子量聚乙烯纤维加工中的结构演变 ——**宁波工程学院 杨建博士
15:00 -15:30	**Application and synthesis of polymer processing additives** Dr. DUAN Jingkuan, Ningbo University of Technology **高分子材料加工助剂的合成与应用 ——**宁波工程学院 段景宽博士
Session 2: Polyolefin Polymerization and Catalysts **分论坛 2： 聚烯烃制备和催化剂技术** **Moderator: Dr. Clifford Lee, Vice President Technology and Market Studies, Townsend Solutions** **主持人：汤森咨询公司副总裁 黎靖宇博士**	
9:00 -9:30	**UNIPOL™ PE technology - Enhancing everyday life in China** Mr. Richard Chen, Global Catalyst Sales Director of Univation **UNIPOL™ PE 技术助力中国生活的每一天**——Univation 公司全球催化剂销售总监 陈逾

9:30 -10:00	**High performance polypropylene products with non-Phthalate catalysts** Dr. CP Cheng, Product Manager PO Catalysts, Clariant Corporation, SWITZERLAND **不含邻苯二甲酸盐的新型聚丙烯催化剂研发及高性能产品**——科莱恩公司聚烯烃催化剂产品总监 郑仲平博士
10:00 -10:30	**Polyolefin catalysts at Dow: High throughput experimentation as an Enabler** Dr. Chen LinFeng, R&D Leader, The Dow Chemical Company, USA **高通量实验在陶氏聚烯烃催化剂生产的作用**——美国陶氏化学公司研发团队负责人 陈林枫博士
10:30 -10:50	**Tea Break 茶歇**
10:50 -11:20	**JPP mPP catalyst and polymerization process** Mr. Shigeyuki Arita, Deputy General Manager, Licensing,, JPP, JAPAN **日本 JPP 茂金属聚丙烯(mPP)催化剂及聚合工艺**——日本 JPP 公司技术许可副总经理 Shigeyuki Arita 先生
11:20 -11:50	**Characterization of advanced polyolefin resins through separation techniques** Ms. Pilar del Hierro curriculum, Scientist at Analytical Department in Polymer Char **高端聚烯烃树脂的分离表征**——亿路达公司供应商 Polymer Char 公司聚合物分析部专家 Pilar del Hierro curriculum
12:00 -14:00	**LUNCH 午餐**
14:00 -14:30	**Study on the relationship between the progress in polyolefin catalytic technology and the development of new polyolefin products** Prof. YE Xiaofeng, Deputy Chief Engineer, Organic Chemistry Division of Shanghai Research Institute of Chemical Industry **聚烯烃催化技术进步与聚烯烃新产品发展构效关系的研究**——上海化工研究院副总工程师、有机化工研究所所长 叶晓峰
14:30 -15:00	**Novel monometallic and bimetallic catalysts for value-added polyolefin** Professor LIU Boping, South China Agricultural University **新型聚烯烃用单金属和双金属催化剂** ——华南农业大学教授 刘柏平

15:00 -15:30	**New materials of polyolefin with high performance and green technology** Prof. HUANG Qigu, Professor, Beijing University of Chemical Technology **高性能聚烯烃新材料与绿色制备技术**——北京化工大学教授 黄启谷
15:30 -16:00	**High performance polyolefin catalysts promote high value-added product development** Niu Liang, Deputy Director of Marketing and Technical Service Department, Sinopec Catalyst Co., Ltd. Beijing Auda Division **高性能聚烯烃催化剂促进高附加值产品的开发**——中国石化催化剂有限公司北京奥达分公司市场营销部副主任 牛靓
16:00 -16:30	**L-MODU：An innovative new modifier for polypropylene processing** Dr. Masami Kanamaru, researcher, Idemitsu Kosan Co.Ltd **L-MODU：一种新型聚丙烯改性剂** 日本出光兴产株式会社研究员 Masami Kanamaru 博士
Session 3: Polyolefin Products and Applications **分论坛 3：聚烯烃产品和应用** **Moderator: Prof. Hong Dingyi, Supervisor and Senior Counselor of CIESC** **主持人：中国化工学会监事、高级顾问 洪定一教授**	
9:00 -9:30	**Requirement of product brands for polyolefin application enterprises** Prof. ZHANG Shijun, Deputy Chief Engineer of Beijing Research Inst. of Chemical Industry (BRICI) **聚烯烃应用企业对牌号的需求分析**——中石化北京化工研究院副总工程师 张师军
9:30 -10:00	**Novolen's next generation impact copolymers for China** Mr. LIANG Xiaolong, technical service Manager, and Dr. Diana Ozdemir, CBI Novolen **西比埃诺沃伦针对中国市场研发的下一代共聚物**——CBI Novolen 技术服务经理 梁晓龙
10:00 -10:30	**Investigation of nano-domain composition in impact copolymer PP by AFM-IR** Dr. Yaxian Wang and Dr. Robert J. Wittenbrink, ExxonMobil AP R&D Dr. Bao Peite, ExxonMobil R&D, Baytown, Texas, USA **冲击共聚聚丙烯纳米结构分析**——埃克森美孚亚太研发有限公司研究员 王雅娴博士
10:30 -10:50	**Tea Break 茶歇**
10:50 -11:20	**R&D and application of new high value-added polyolefin products** Mr. Meng Hongcheng, Vice Director of quality management center and R & D center, Sinopec Zhenhai Refining & Chemical Company **环保型高附加值聚烯烃新产品研发与应用**——中国石化镇海炼化公司质管中心、研发中心副主任 孟鸿诚

11:20 -11:50	**Research and development of new polyolefin application materials -Polypropylene Terpolymer & XLPE Cables** Mr. ZHANG Cheng, General Manager and Executive Director, Beijing Yanshan Petrochemical High-Tech Co. Ltd. **新型聚烯烃应用材料研发:聚丙烯的三元产品及聚乙烯交联电缆料**——北京燕山石化高科技术有限责任公司总经理 张赫
12:00 -14:00	**LUNCH 午餐**
14:00 -14:30	**Melt Temperature and initial polymorphs dependencies of polymorphs selection during subsequent crystallization in polypropylene-ethylene random copolymer** Dr. Sun Ying Ying, ExxonMobil AP R&D Zhao JiaYi, Yongfeng Men, Chinese Academy of Sciences Changchun Institute of Applied Chemistry **丙烯-乙烯无规共聚物的结晶研究**——埃克森美孚亚太研发有限公司高级研究员 孙莹莹博士
14:30 -15:00	**Formation mechanism of TPV phase structure of thermoplastic polyolefin vulcanized elastomer and its product development and Application Technology** TIAN Hongchi, Chief Engineer of Shandong Dawn Polymer Matерical Co.,Ltd **热塑性聚烯烃硫化弹性体 TPV 相态结构形成机理及其产品开发应用技术**——山东道恩高分子材料股份有限公司总工程师 田洪池
15:00 -15:30	**Polyolefin downstream competitiveness analysis and petrochemicals research trend** WANG Yueying, Polyolefin Products Head of Rubber and Plastic Department, Shandong Longzhong Information Technology Co., Ltd. **聚烯烃下游领域竞争力分析及未来石化研究方向**——山东隆众信息技术有限公司橡塑部聚烯烃产品主管 王悦莹
17:30 -21:00	**SUPPER 晚餐**
DAY 3 – FRIDAY, MARCH 23, 2018	**3 月 23 日周五(8:00-12:00)**
Visit of Sinopec Zhenhai Refining & Chemical Company; Ningbo University of Technology **企业走访/参观考察（中国石化镇海炼化公司、宁波工程学院）**	
MARCH 20-22, 2018	**SHOWCASE 配套展览展示**

包信和院士

中国科学技术大学校长、中国科学院院士

Prof. BAO Xinhe

President of University of Science and Technology of China
Academician of Chinese Academy of Sciences

包信和，男，汉族，1959 生于江苏省。理学博士，研究员，博士生导师。1987 年获复旦大学理学博士学位；1987-1989 年在复旦大学化学系任教；1989-1995 年获洪堡基金资助在德国马普协会柏林 FRITZ-HABER 研究所进行合作研究；1995 年至今，在大连化学物理研究所工作，任催化基础国家重点实验室研究员，博士生导师，所学术委员会主任，洁净能源国家实验室（筹）能源基础和战略研究部部长，中国科学院研究生院教授；2000 年 8 月至 2007 年 2 月，任中国科学院大连化学物理研究所所长；2009 年 4 月至 2014 年 6 月任中国科学院沈阳分院院长；2009 年当选为中国科学院院士；2015 年 7 月至 2017 年 6 月任复旦大学常务副校长；2017 年 6 月 8 日起任中国科学技术大学校长。

Prof. Xinhe Bao, Ph.D. degree from Fudan University in 1987. From 1989-1995, he went to Fritz-Haber-Institut as an AvH fellow, where he worked with Prof. G. Ertl and Prof. R. Schloegl in the fields of surface chemistry and catalysis. In 1995, he returned and took a full Professor position at the Dalian Institute of Chemical Physics and became the institute director in 2000.

Prof. Xinhe Bao’s research interests include surface science, metallic and porous catalytic materials, dynamic catalysis, fundamental topics of catalysis and the applications. Professor Bao Xinhe has published over 180 papers and filed 15 patents at home and abroad. Prof. Bao was invited to be an executive committee member of the Chinese Society of Chemistry and a committee member of fundamental research in the Chinese Academy of Sciences. He is Editor-in-Chief of the Journal of Natural Gas Chemistry; Editor of the Chinese Journal of Catalysis, Surface Science, Cattech and the Chinese Journal of Chemistry.

王子宗

中国石化集团公司副总工程师

Prof. Wang Zizong

Deputy Chief Engineer of Sinopec Group

教授级高工，享受国务院政府特贴专家，1988 年获得天津大学和华东理工大学联合培养的化学工程专业工学硕士学位，2003 年获得美国城市大学工商管理硕士 MBA，2005 年获得哈佛大学商学院 AMP。主要从事石油化工工艺技术和节能环保技术开发及管理、工程项目设计、投资规划咨询、工程建设项目管理等工作，负责过国际型工程公司项目管理体系、运营管理体系、人力资源体系和技术管理体系的建立，负责过投资规划咨询、市场开发营销、项目生产管理、技术管理、质量管理、安全管理，负责过大型乙烯国产化建设、中外合资千万吨级炼油百万吨乙烯工程项目管理、EPC 工程总承包及 PMC 项目管理承包等工作。现任中国化工学会石油化工专业员会委员、中国乙烯工业协会执行会长，获得省部级以上科技进步奖 30 余项，发表论文数十篇。

Professor Wang Zizong obtained Master of Engineering from Tianjin University and East China University of Science and Technology in 1988. He received MBA from City University in USA in 2003 and AMP from Harvard Business School in 2005. He is mainly engaged in the development and management of petrochemical technology and energy saving and environmental protection technology, design of engineering project, consultation of investment planning, construction and project management and etc. He was responsible for the systems of project management, operation management, human resource and technological management in the international engineering company. He was also in charge of the consultation of investment planning, market development, production and management of project, technical regulation, quality management and security management. He was the chief for large-scale construction and localization of ethylene, project of over ten million tons of oil refining and million tons of ethylene, general contractor of EPC project and management contract of PMC and so on. He is the member of Petrochemicals Branch of CIESC and executive president of China Ethylene Industry Association. He has won more than 30 prizes of Scientific and Technological Progress of Provincial and ministerial level, and published dozens of papers.

杨元一

中国化工学会监事长

Prof. Yang Yuanyi

Chief Supervisor of CIESC

杨元一，男，汉族，1949年1月出生，中共党员，教授级高级工程师，博导，硕士研究生学历。曾任北京化工研究院专题组长、研究部主任，化学工业部科学技术司副司长、司长，国家石油和化学工业局规划发展司司长，中国石化北京化工研究院院长，中国石化股份有限公司副总工程师兼科技开发部主任，中国化工学会第39届专职副理事长兼秘书长。现任中国化工学会第40届监事会监事长。

Prof. Yang Yuanyi, born in Zhejiang Province in 1949, graduated from Refining Dept. of Daqing Petroleum Institute in 1976, and obtained Engineering Master Degree of Basic Organic Chemical in 1981. He made advanced study and collaborative research two times in German Karlsruhe University. He worked as a researcher for 12 years in Beijing Research Institute of Chemical Industry (BRICI), Chemical Industry Ministry (CIM); Since 1993, he was appointed successively as Deputy Director and Director of Technology Dept. of CIM, and Director of Development Planning Dept. of National Petroleum & Chemical Industry Bureau. Transferred to Sinopec Group in 1999, and be successively appointed as President of BRICI, Deputy Chief Engineer of Sinopec Group and concurrently Director of R&D Dept., and Consultant of Sinopec Group. 2012-2017, Executive Vice President and Secretary General of the Chemical Industry and Engineering Society of China (CIESC). Prof. Yang is now the Chief Supervisor of CIESC.

华炜

中国化工学会副理事长兼秘书长
中国石化首席专家

Prof. Hua Wei

Executive Vice President and Secretary General of CIESC
Chief Scientist of SINOPEC Group

教授级高工，曾任中国石化北京燕山分公司副总经理、总工程师，中国石化首席专家。现任中国化工学会副理事长兼秘书长、国务院安委会专家咨询委员会石油化工专业委员会专家。

华炜同志长期致力于石油化工技术开发和技术管理工作，承担并完成了多项国家和中国石化重大科技攻关项目，她组织开发、实施的多项技术成果，在燕山石化率先实现工业化后又在全国得到多次推广应用，在我国汽、柴油质量升级、乙烯原料优化、石油化工系统节水减排、合成橡胶技术开发中作出了重要贡献，并培养了博士后、博士、硕士多名。共获国家技术发明二等奖2项、国家科技进步二等奖3项；北京市科技进步一等奖1项；中国石化技术发明一等奖1项、科技进步一等奖7项；申请专利43件。为石油化工行业的技术进步作出了突出贡献，2001年享受政府特殊津贴，2010年被评为“全国优秀科技工作者”。

Prof. Hua is Executive Vice President and Secretary General of CIESC, SINOPEC Chief Expert. She is the former vice president of Sinopec Beijing Yanshan branch and chief engineer of Sinopec. She serves as Expert Advisory Committee member of Safety Committee of the State Council.

Prof. Hua devotes herself to the petrochemical technology development and technical management in her career. She undertook and completed a number of major scientific and technological projects of the state and Sinopec. She obtained two second prizes of National technology invention, three second prizes of National Science and technology progress, one first prize of Beijing science and technology progress, one first prize of Sinopec technical invention, seven first prizes of Science and Technology Progress Award and applied for 43 patents. She made important contributions in the technical progress in petrochemical industry.

洪定一

中国化工学会监事、高级顾问

Prof. Hong Dingyi

Supervisor, Senior Counselor of CIESC

洪定一，男，1946 年出生，籍贯上海，博士，教授级高级工程师，享受国务院特殊津贴。1969 年毕业于北京理工大学化工系，1991 年获德国汉堡大学化学博士学位。曾任燕山石化公司研究院院长、大庆石化总厂副厂长、中国石油化工股份公司科技开发部主任、中国石油化工集团公司科技委副主任、中国石油化工集团公司科技委专家咨询委办公室主任、中国化工学会秘书长。

洪教授现任中国化工学会监事、高级顾问。兼任教育部中国工程教育认证结论审议委员会委员，中国石油学会石油炼制分会副主任，《化工进展》杂志副主编，《合成树脂与塑料》杂志及《石油知识》杂志主编。

Prof. Dr. Hong Dingyi, born in 1946, is the Supervisor and Senior Counselor of The Chemical Industry and Engineering Society of China (CIESC). Hong graduated from department of chemical engineering, Beijing Institute of Technology in 1969 and got doctor degree of chemistry from University of Hamburg in 1991. He was the President of Research Institution, Sinopec Yanshan Company; Vice President of PetroChina Daqing Petrochemical Company; Director of Science and Technologies Department, Sinopec Group; Director of Technology Advisory Committee, Sinopec Group; and Secretary General of CIESC.

Prof. Hong is also the Member of Review Committee, China Engineering Education Accreditation Association; Vice Director of Petroleum Processing, Chinese Petroleum Society; Deputy Editor-in-chief of Chemical Industry and Engineering Progress; Editor-in-chief of China Synthetic Resin and Plastics and Petroleum Knowledge.

王玉庆

中国化工学会副秘书长、高级顾问
中国石油化工集团公司原科技开发部副主任

Prof. Wang Yuqing

Deputy Secretary General and Senior Counselor of CIESC
Former Deputy Director, Science and Technology Development of SINOPEC

王玉庆，教授级高级工程师，原中国石化集团公司科技开发部副主任，现任中国化工学会副秘书长、高级顾问，中国化工学会石油化工专业分会主任委员。1982年毕业于天津大学化学工程系，1991年9月至2015年在中国石油化工集团公司工作，曾任中国石化科技开发部化工处副处长、处长，2005年起任中国石化科技开发部副主任。长期从事石油化工特别是乙烯、三大合成材料及基本有机化工领域科技开发的组织管理工作；兼任中国知识产权研究会副理事长，2005年至2013年兼任中国合成橡胶工业协会理事长。已在国内刊物发表科技论文二十余篇。

Prof. Wang Yuqing graduated from the Department of chemical engineering, Tianjin University in 1982, and worked as Vice Director of Science and Technologies Department, Sinopec Group. He engaged in petrochemical field in his whole career, especially in the organization and management of ethylene projects, three major synthetic materials and basic organic chemical technology development. He is also the Vice Chairman of China Intellectual Property Research Association, and Chairman of China Synthetic Rubber Industry Association from 2013 to 2015. He has published more than 20 scientific papers in China.

黎靖宇博士

汤森咨询公司副总裁
技术与市场研究

Dr. Clifford Lee

Vice President
Technology and Market Studies
Townsend Solutions, USA

黎靖宇博士拥有 25 年以上与研发、市场、商业开发和管理的工业界经验。他曾在四家大型国际化石化公司就职，包括雪佛龙飞利浦(Chevron Phillips), 英力士(Ineos),力安得巴塞尔工业公司(LyondellBasell)和台塑(Formosa Plastics)。服务于力安得巴塞尔公司期间，黎博士成功领导催化剂团队，开发、规模化并商业化测试于拥有专利的单位置催化剂。黎博士的团队还提供催化剂/过程服务于聚丙烯(PP)和聚乙烯（PE)生产设备，提高并改进了薄膜、滚模、注模、吹塑、管线和聚合物管道的应用。

黎靖宇博士在 Rutgers 大学取得博士学位，并在康奈尔大学(Cornell University)，普渡大学(Purdue University)及 SUNY 聚合物研究中心从事过博士后研究。他拥有 13 项聚烯烃相关的美国专利及 20 余篇期刊论文，并经常在国际聚烯烃会议中发表关于技术发展和市场展望的报告。

Dr. Lee is an experienced industry professional in R&D, Marketing, and commercial development. He worked at four major petrochemical companies: Chevron Phillips, Ineos, LyondellBasell, and Formosa Plastics. At LyondellBasell, Cliff led the Catalyst Group to successfully develop and commercialize two proprietary single-site catalysts. A Ph.D. from Rutgers University, he also conducted Postdoctoral polymer Research at Cornell and Purdue Universities. With 13 U.S. patents in polyolefins and 20 peer reviewed papers, he is a frequent speaker at international polyolefin conferences. In his consulting role, he has managed a large number of single-client studies and multi-client reports. Specifically he has conducted several technology feasibility studies and involved in M&A projects. Clifford has successfully organized and co-organized 8 international polyolefin conferences.

胡杰

中国石油天然气股份有限公司石油化工研究院副院长

Prof. Hu Jie

Vice President of CNPC Petrochemical Research Institute

胡杰，现任中国石油天然气股份有限公司石油化工研究院副院长。兼任全国乙烯工业协会联席会长；国际橡胶生产商家协会(IISRP)理事，中国合成橡胶工业协会常务副理事长；中国化工学会理事及石油化工分会副主任；中国化学会高分子学委会委员，高分子材料国家重点实验室学术委员会顾问等。

胡杰先生 1984 年毕业于成都科技大学，高分子材料系。2000 年毕业于东北财经大学，国民经济管理研究生。1999 年到中国石油天然气集团公司科技发展部，负责炼化科技管理。2000 年调入炼化与销售分公司，历任副总工程师、总工程师，负责科技开发、信息化和化工技术管理。2011 年至 2014 年参加援疆工作，任塔城地区地委委员、行署副专员。2015 年任石油化工研究院副院长。胡杰先生在石化行业具有 34 年的工作经验，对中国石油化工行业的发展有深刻的理解和认识。

Prof. Hu is now the Vice President of CNPC Petrochemical Research Institute. As president of the national joint Ethylene Industry Association; director of International Association of rubber producers (IISRP), deputy managing director of the association China synthetic rubber industry; deputy director of CIESC petrochemical branch; Polymer Science Committee China chemistry, State Key Laboratory of polymer materials such as academic advisory committee.

Prof. Hu Jie graduated from Chengdu University of Science and Technology in 1984, high polymer materials department. In 2000, he graduated from Dongbei University of Finance and Economics and graduate student of national economic management. In 1999, he worked for science and technology development of CNPC group, responsible for the management of refining and chemical technology. In 2000, He transferred to the refinery and sales branch and served as the deputy chief engineer and chief engineer. From 2011 to 2014, he worked for Yuanjiang project and took charged as vice president of the Petroleum Chemical Research Institute in 2015. Prof. Hu Jie has 34 years' experience in the petrochemical industry, and has a profound understanding and understanding of the development of China's petrochemical industry.

Dr. John H. Oskam

美国格雷斯公司研发总监

R&D Director, Specialty Catalysts, W. R. Grace & Co.

John Oskam is the R&D Director, Specialty Catalysts for W. R. Grace & Co.

John started his career at Union Carbide in 1993, after receiving his M.Sc degree from Stevens Institute of Technology and his Ph.D. in Inorganic Chemistry from the Massachusetts Institute of Technology.

John has spent his career in the development of novel catalysts for the preparation of polyolefins tailored to both the UNIPOL® PE and UNIPOL PP Processes. He worked on the development of metallocene catalysts for polyethylene for Univation Technologies joint venture with ExxonMobil Chemical Co, beginning in 1997. John was instrumental in the development and commercialization of Univation's PRODIGY^{TM} BMC-200 Technology, the first bimodal HDPE pipe produced in a single reactor. In September 2011, John became R&D Director for Dow's Polypropylene Licensing and Catalyst Group. The business was acquired in December, 2013 by W. R. Grace & Co.

John became R&D Director for Grace Specialty Catalysts in March 2014, responsible for the development and commercialization of Polyolefin Catalysts for all processes as well as Chemical Catalysts.

陈谊品

技术授权经理，利安德巴塞尔聚烯烃（上海）有限公司

Chris Chen

Licensing Manager China
LyondellBasell Polyolefin (Shanghai) Co., Ltd

23 年的聚烯烃从业经历

•1999–2006 高级市场工程师，TPC–JV(住友化工和壳牌合资企业)

•2007–2011 业务经理，负责利安德巴塞尔亚洲区产品应用开发、技术支持，管理全球聚合物的创新项目

•2012 至今 技术授权及服务经理，利安德巴塞尔工业公司

23 years in polyolefin industry

•1999 – 2006 Senior Market Development Engineer, TPC - JV between Sumitomo Chemical and Shell in Singapore

•2007 – 2011 manager of Application Development & Technical Support and manager of Global Polymer Innovation Projects, LyondellBasell Asia

•2012 – now Licensing & Service Manager, LyondellBasell China

乔金樑

中国石化集团公司首席专家

Prof. Qiao Jinliang

Chief Scientist of SINOPEC Group

SINOPEC Beijing Research Institute of Chemical Industry

乔金樑教授分别在中国科技大学、北京化工研究院和北京大学获得学士、硕士和博士学位，曾在英国和日本学习进修。获国家发明二等奖 2 项，国家科技进步二等奖 1 项，省部级科技奖 12 项，中国专利金奖一项、优秀奖二项,发表学术论文 160 余篇，申请发明专利 200 多项。

Prof. Qiao received Ph.D from Beijing University, Master degree from Beijing Research Institute of Chemical Industry and BS degrees from the University of Science and Technology of China. He has been working in Beijing Research Institute of Chemical Industry since 1985. Working with his colleagues and students, he has developed several new polymer materials, including new polyolefins, elastomeric nano-particles, conductive polymers, new carbon materials, **f**luorescence and phosphorescence thermoplastic polymer.

曲岩松

中国石化集团公司经济技术研究院副总经济师

Prof. Qu Yansong

Deputy Chief Economist of the Economics and Development Research Institute of SINOPEC

毕业于大连理工大学，现任中国石化集团公司经济技术研究院副总经济师。长期从事石化行业的市场分析和规划研究工作。主持完成了多项大型乙烯工程及石化企业发展规划、咨询工作。

Prof. Qu is deputy chief economist of the Economics and Development Research Institute of SINOPEC. He graduated from Dalian University of Technology. He has been long engaged in market analysis and planning of petrochemical industry and involved in many large-scale ethylene project, petrochemical enterprise development planning as well as a number of consulting projects.

赖世耀

神华（北京）新材料科技有限公司总经理

Dr. Shih-Yaw Lai

General Manager
Shenhua (Beijing) New Materials Company (SNMC)

赖世耀先生获美国密西根大学 (Ann Arbor) 高分子科学与工程学博士，1986 年加入美国陶氏化学公司 (Dow Chemical Company)工作。2009 年 7 月担任陶氏全球研发资深研究员（Senior Research Fellow）兼亚太区首席科学家。2009 年 8 月退休后加入神华集团北京低碳清洁能源研究所，创建煤基材料中心任中心主任。

赖博士在聚烯烃和高分子材料领域约有 120 个授权的国内外专利和约 30 篇发表的学术论文，曾参与或领导陶氏多个新技术，新产品，新市场，新应用的商业化项目，并代表陶氏担任多年聚烯烃专家证人(Expert Witness) 参与 7 件国际聚烯烃侵权诉讼。

Dr. Shih-Yaw Lai is the General Manager of Shenhua (Beijing) New Materials Company (SNMC) since Aug. 2015. Prior to this position, Dr. Lai was the Chief Scientist and Director of Performance Materials R&D Center, National Institute of Clean-and-low-carbon Energy (NICE), in Beijing. Dr. Lai retired from The Dow Chemical Company (Freeport, TX) in July 2009 as the Senior Research Fellow and the chief scientist for the Asia Pacific region.

Dr. Lai is an inventor or co-inventor of 26 U.S. patents and over 150 international patents. He is also a co-author of over 30 published journal articles. Dr. Lai holds a PhD degree in Macromolecular Science and Engineering from the University of Michigan (Ann Arbor) in 1986.

王建国

CB&I 公司商务发展与技术经理

Matthew Wang

Business Development & Technology Manager, CB&I

王建国，技术经理，高级工程师，国家注册化工工程师。拥有超过 17 年的石油化工领域的咨询、技术开发，工艺包设计和工程设计、开车服务以及项目管理方面的经验。现在就职于 CB&I 鲁姆斯技术公司(北京），负责乙烯蒸汽裂解、MTO 烯烃分离、烯烃转化(OCU)以及对二甲苯(pX)等方面的技术工作。

Technical manager, senior engineer, national registered chemical engineer. With more than 17 years of consulting and technical development in the field of petroleum and chemical industry, process package design and engineering design, driving service and project management experience. Now at CB&I Lummus technology company (Beijing), responsible for ethylene steam cracking, olefin separation, MTO olefin conversion (OCU) and p-xylene (pX) technology and other aspects of the work.

刘锋涛

KBR 公司中国区技术转让经理

Ray Liu

Technology Licensing Manager, KBR

刘锋涛是 KBR 公司中国区烯烃和化工技术的转让经理。在此之前，曾在 UOP 和科莱恩公司工作，在石化领域的催化剂和技术转让业务上有十五年以上的工作经验。

Ray Liu currently holds the position of licensing manager in KBR China. He is responsible for olefins and chemicals technologies business in China. Prior to joining KBR, Mr. Liu had worked in UOP and Clariant. He owns more than 15-year working experience in catalyst and technology licensing business in petrochemical industry.

李东风

中国石化北京化工研究院生产技术研究所　主任

Prof. Li Dongfeng

Director of Production Technology Department
SINOPEC Beijing Research Institute of Chemical Industry

李东风，博士，毕业于中国石油大学（北京），现任中国石化北京化工研究院生产技术研究所主任，教授级高工，主要从事石油化工低碳烯烃及相关生产技术的研究与开发。

Professor Dongfeng Li, graduated with the doctorate from China University of Petroleum (Beijing) in Chemical Engineering & Technology, is now the Director of Production Technology Department in Sinopec Beijing Research Institute of Chemical Industry and mainly engaged in the research and development on production and comprehensive utilization technologies of petrochemical light olefins.

李秀杰

中科院大连化学物理研究所研究员

Prof. Li Xiujie

Dalian Institute of Chemical Physics, CAS

李秀杰本科毕业于山东师范大学，2008 年在大连化学物理研究所获博士学位，2016 年被聘为研究员。自工作以来在新型分子筛催化材料制备、表征及烃类催化转化领域从事研究工作，对烯烃歧化、异构化、芳构化和二甲醚羰基化等反应过程及催化剂的作用机制进行了系统研究，作为主要完成人获辽宁省科技进步一等奖（2013）、大连市“青年科技之星（2014）、中国科学院科技促进发展奖：科技贡献一等奖（2015）等奖励。

- 2002.9-2008.1 Ph.D. Physical Chemistry, Nano and Interfacial Catalysis group, Dalian Institute of Chemical Physics, Chinese Academy of Science (CAS), China Advisor: Prof. Xinhe Bao
- 1998.9- 2002.7 B.S. Chemistry Shandong Normal University, Shandong, China

Research Interests:

- Preparation of zeolite related catalysts

Synthesis of zeolites (ZSM-5/ZSM-11, mordenite, ferrierite) with controllable size, aluminum atom distribution and morphology according to the specific probe reaction; Post-treatment of zeolites to improve its diffusion property.

- Conversion of light olefin to value-added olefin

Design and optimization of the catalysts in the following reactions: Olefin metathesis over Mo supported heterogeneous catalysts; Aromatization/skeletal isomerization of C4 olefin; dimethyl ether carbonylation to methyl acetate

张启云

高级工程师
中国石化宁波工程有限公司

Zhang Qiyun

Senior Engineer
Sinopec Ningbo Engineering Company Limited

2007 年毕业于华东理工大学化学工程专业，拥有化学工程硕士学位，毕业后加入中石化宁波工程有限公司，主要从事工艺设计工作。在丙烷脱氢、聚烯烃等项目有丰富的设计经验。

Zhang Qiyun attained Master's degree in chemical engineering from East China University of Science and Technology in 2007. After graduation, he has mainly engaged in the process design in Sinopec Ningbo Engineering Co., Ltd. He has rich designing experience in Propane Dehydrogenation and Polyolefin projects.

Dr. In-Joo Chin.

韩国生物塑料协会理事长，韩国仁荷大学教授

Dr. In-Joo Chin.

President Korean Bioplastics Association

Professor of Inha University

In-Joo Chin 教授获得麻省理工大学高分子专业博士学位，曾任职于纽约 IBM 公司。他于 1986 年加入韩国仁荷大学，担任高分子科学与工程系教授，研究领域包括生物塑料、软纳米材料、聚合物纳米复合材料和聚合物的表面和界面性质等。In-Joo Chin 教授在同行评审期刊上发表了大约 150 篇论文和三本著作。自 2008 年来，他作为韩国生物塑料协会(KBPA)的会长也与生物化工行业密切合作。KBPA 隶属于韩国政府,主要致力于可生物降解塑料的工业和研究。该组织倡导生物塑料降解，告知生物降解塑料的优点，提高公众对生物降解塑料的了解。In-Joo Chin 教授是四川大学兼职教授，任马来西亚玻璃市大学的材料工程学院研究顾问，也是印度尼西亚建国大学顾问委员会的成员。

Prof. In-Joo Chin received a Ph.D. in polymers from MIT, and worked at IBM East Fishkill in New York before joining Inha University in 1986 as professor in the Department of Polymer Science and Engineering. His research interest includes bioplastics, soft nanomaterials, polymer nanocomposites, and surface and interface properties of polymers, etc. Prof. Chin has published approximately 150 papers in the peer-reviewed journals and coauthored three books.

He has played a key role in launching nanomaterials research at Inha University by assuming the position of founding Director of the Nano-Hitech Research Center in 2002. Prof. Chin has been invited as Adjunct Professor at Sichuan University in Chengdu, China, Research Advisor for the School of Materials Engineering at University of Malaysia, Perlis (UniMAP), and member of the BINUS Advisory Council for BINUS University in Jakarta, Indonesia.

杨建

宁波工程学院材化学院讲师

Dr. Yang Jian

Lecturer, School of Materials and Chemical engineering
Ningbo University of Technology

2013 年博士毕业于中科院化学研究所，2014 年于宁波工程学院工作至今。主要研究兴趣集中在外场下聚合物共混体系中结晶与分相相关研究，近期研究方向为超高分子量聚乙烯纤维、聚乙烯多孔膜、生物可降解聚酯多孔膜等。

Dr. Yang Jian received Ph.D. degree in Institute of Chemistry, China Academy of Sciences in 2013, and then worked in Ningbo University of Technology from 2014. His research focuses on crystallization and phase separation in polymer blends under external field. His recent research is ultra-high molecular weight polyethylene fiber, polyethylene porous membrane and biodegradable polymer porous membrane.

段景宽

宁波工程学院专职教师

Duan jingkuan

Teacher, Ningbo University of Technology

宁波工程学院专职教师。长期从事高分子材料的加工与应用、高分子材料助剂合成与应用的研究。

Duan jingkuan is working in Ningbo University of Technology, and has engaged long time engagement in the research of polymer processing and additives.

陈逾

Univation 公司（陶氏化学全资子公司）全球催化剂销售总监

Richard Chen

Global Catalyst Sales Director of Univation

2013 年 10 月加入 Univation，负责 Univation 的聚乙烯催化剂全球销售及新催化剂商业化的工作。在加入 Univation 前，陈逾先生在陶氏化学公司技术转让部工作 9 年时间，主要负责陶氏化学在中国的技术转让工作。在陶氏化学工作前，陈逾先生也先后在德国泽普林固体物料公司，中国石化工程建设公司担任过销售经理，项目工程师，专业工程师等职务。

Richard Chen is currently Global Catalyst Sales Director of Univation a wholly owned subsidiary of Dow Chenmical, responsible for catalyst sales and new catalyst commercialization activities. Mr. Chen join Univation since Oct of 2013.

Mr. Chen worked in Dow Technology Licensing for 9 years before he joined Univation, was in charge of the licensing activities for Dow Chemical in China.

Before Joined Dow Chemical, Mr. Chen worked in Zeppelin Solid Technology GmbH, Sinopec Engineering Incorporation as sales manager, project engineer and mechanical engineer.

郑仲平

科莱恩公司全球产品总监

Dr. C.P. Cheng

Global Product Manager, Polyolefins Catalyst Business Unit
Catalysts Clariant Corporation

美国特拉华大学化学系博士，威斯康辛大学麦迪逊分校化学工程学士。曾就职于阿克苏诺贝尔公司，美国量子化学公司和*巴斯夫*公司。郑博士在聚烯烃聚合催化剂领域有着 35 年的工作经验，他曾在多个出版物上发表著作，并拥有 20 多个专利。2007 年，他加入德国南方化学公司，成为上海南方化学催化剂有限公司（如今已并入科莱恩公司）的首席技术官。目前，他是中国上海科莱恩公司的全球产品经理，负责聚烯烃催化剂业务。

Dr. Cheng got Ph.D. Chemical Engineering in University of Delaware, USA.B.S. Chemical Engineering, University of Wisconsin-Madison, USA. He has 35 years of industrial experience in polyolefins polymerization catalysts with Akzo-Nobel, Equistar and BASF, andhas over 20 publications and patents. Joined Süd-Chemie in Feb 2007 as CTO at Shanghai Süd-Chemie Catalysts Co. (which is now part of Clariant). Currently is the Global Product Manager for Polyolefins Catalyst at Clariant and based in Shanghai, China.

陈林枫

陶氏化学公司研发主管

Dr. LinFeng Chen

R&D Leader, Dow Chemical USA

1993 年在南卡罗莱纳大学获得有机金属化学博士学位。1993-1997 年，过渡金属化学方向的博士后研究助理，与 F.A Cotton 教授一起工作，之后在联合碳化物公司负责聚丙烯催化剂工作和专利许可业务， 2001 年被陶氏收购。陈博士是 ADT 系列和外电子给体及第六代邻苯二甲酸无规聚丙烯催化剂的发明者，该发明在陶氏被格雷斯收购后的 PP 催化剂和许可业务后仍是关键技术。陈博士目前是一名陶氏化学塑料业务的研发主管，负责 PE 新催化剂的开发。

Dr. Linfeng Chen received his Ph.D. degree in organometallic chemistry from the University of South Carolina in 1993. He worked with Professor F.A Cotton at Texas A&M University as a postdoc associate on transition metal chemistry from 1993 to 1997 before joining the Polypropylene Catalyst and Licensing business in Union Carbide Corporation, which became part of the Dow Chemical Company in 2001. Dr. Chen is the inventor of various families of ADT and Consista external electron donors as well the 6th generation of phthalate-free PP catalysts, which still remain as W.R. Grace’s key technologies in PP after it acquired Dow’s PP Catalyst and Licensing business. Dr. Chen is currently an R&D leader with Dow’s Performance Plastics business, responsible for new catalyst development for PE.

Mr. Shigeyuki Arita

日本 JPP 公司技术授权副总经理

Deputy General Manager,
Licensing Production Management Division, JPP

Arita 先生是日本聚丙烯公司全球授权业务经理，1996 年加入了聚丙烯制造部门担任工艺工程师。2003 后，任职日本聚丙烯公司工艺技术中心。此后，他一直致力于新产品、新扩建工程，2008 年起负责技术授权业务。

Mr. Arita is a manager of global licensing business of Japan Polypropylene Corporation based in Tokyo, Japan. He joined polypropylene manufacturing department as a process engineer at Goi factory of Chisso Petrochemical Corporation (CPC) in 1996. After starting PP JV business between Japan Polychem and Chisso in 2003, he was assigned to Process Technology Center of Japan Polypropylene Corporation, since then, he had been working on plant modification for new products and new expansion project, and now (since 2008) he is in charge of the technology licensing.

Pilar del Hierro curriculum

Scientist at Analytical Department in Polymer Char.
亿路达公司供应商 Polymer Char 公司聚合物分析部专家

Pilar del Hierro 在西班牙瓦伦西亚大学取得化学学士学位；在西班牙马德里聚合物科学技术研究所取得高分子科学硕士学位；在与 Polymer Char 公司有合作的瓦伦西亚大学取得了化学博士学位；并且在瓦伦西亚塑料材料研究所工作 10 多年。

2001 年，她加入 Polymer Char 公司，一直在分析部门从事分析服务工作，并参与了公司的研究项目，为客户提供分析及技术支持工作。在过去的几年内，她一直参与研发 QC 设备。

Pilar del Hierro has a degree in Chemistry from the University in Valencia, Spain. She is Master in Polymer Science from the Science and Technology Institute for Polymers in Madrid, Spain.

She was working for the Institute of Plastic Materials (AIMPLAS) in Valencia for over 10 years and during this period she got the PhD degree in Chemistry at the University of Valencia in collaboration with Polymer Char company.

In 2001 she joined Polymer Char and she has been working in the Analytical Department performing analytical services as well as participating in some of the research projects of the company and providing analytical and technical support to customers. In the last years she has been involved in the development of the QC equipments.

叶晓峰

上海化工研究院副总工程师，有机所所长

Prof. Ye Xiaofeng

Vice Chief Engineer

Shanghai Research Institute of Chemical Industry

教授级高工，上海立得催化剂有限公司总经理，中石化上海有机化工联合研究所常务副所长。聚烯烃催化技术及新材料国家重点实验室、全国石油和化工行业烯烃聚合催化及过程工程实验室、上海市聚烯烃催化技术重点实验室、聚烯烃合成技术及过程控制上海市专业技术服务平台主任。上海市劳动模范，享受国家特殊津贴专家，上海市领军人才，候德榜奖、吴蕴初奖获得者，上海市工程系列化工专业高级专业技术职务任职资评审专家。长期从事聚烯烃催化剂的研制开发和产业化工作，主持开发并产业化成功系列聚乙烯催化剂，取得显著的社会经济效益，为我国聚烯烃工业的发展做出了卓越贡献。主持开发了几十项国家级、上海市和中石化的科研项目，包括科技部 863 计划、科技支撑计划、火炬计划、新产品试产计划项目，财政部国家产业技术成果转化项目，上海市科技兴贸行动计划、专利技术二次开发、国际合作、基地建设、学科带头人计划等项目，中石化的“十条龙”等重大科技攻关项目。获得各种级别的奖项，包括国家科技进步二等奖、中石化科技进步一等奖、上海市科技进步一等奖、中国石油与化学工业联合会科技进步一等奖和国家专利发明优秀奖等近二十项。申请中国发明专利 14 项，国外发明 22 项，拥有授权中国发明专利 8 项，美国发明专利 5 项，韩国专利 1 项，马来西亚专利 1 项，台湾专利 2 项，沙特专利 1 项，印尼专利 1 项，捷克专利 1 项。

Prof. Ye Xiaofeng is the general manager of Shanghai Lide catalyst Co., Ltd. He is also responsible for polyolefin catalyst and new materials process and technology of State Key Laboratory, National Petrochemical Industry Laboratory, Shanghai Key Laboratory and etc. He engaged in the development and industrialization of polyolefin catalysts for a long term, presided over the development and industrialization of a series of successful polyethylene catalyst. He has made outstanding contributions to the development of polyolefin industry in China. He has won several national prizes for his achievements in polyolefin and catalyst research and development.

刘柏平

华南农业大学 教授

Prof. Liu Boping

College of Materials and Energy
South China Agricultural University

1988 年 8 月至 1991 年 8 月： 中石化岳阳石化总厂环氧树脂厂技术员

1997 年 1 月至 1999 年 5 月： 浙江大学化工系联合化学反应工程研究所讲师

1999 年 5 月至 2005 年 11 月：日本国立北陆先端科学技术大学院大学（JAIST）材料科学系助教

2005 年 1 月至 2005 年 4 月：瑞士联邦理工学院（ETH）访问学者

2005 年 11 至 2006 年 10 月：日本国立北陆先端科学技术大学院大学材料科学系特任副教授

2006 年 9 至 2016 年 12 月：华东理工大学教授， 化学工程国家重点实验室

2017 年 1 月至今：华南农业大学教授，材料与能源学院

Work Experience:

1988.08-1991.08：Technician of SINOPEC, Yueyang General Petrochemical Company

1997.01-1999.05： Lecturer of Zhejiang University, Department of Chemical Engineering, UNILAB of Chemical Reaction Engineering,

1999.05-2005.11：Assistant Professor of Japan Advanced Institute of Science and Technology (JAIST), School of Materials Science

2005.01-2005.04 ： Visiting Scientist of Swiss Federal Institute of Technology (ETH),Department of Chemistry and Applied Biosciences, Computational Science Laboratory of Prof. Michele Parrinello

2005.11-2006.10 ： Research Associate Professor of Japan Advanced Institute of Science and Technology (JAIST), School of Materials Science

2006.9-2016.12：Professor of East China University of Science and Technology (ECUST), State Key Laboratory of Chemical Engineering, School of Chemical Engineering

2017.01-Now：Professor of South China Agricultural University (SCAU), College of Materials and Energy

黄启谷

北京化工大学 教授

Prof. Dr. Huang Qigu

Beijing University of Chemical Technology

2004 年至今在北京化工大学材料科学与工程学院、化工资源有效利用国家重点实验室从事教研工作。2000 年博士毕业于中山大学（导师林尚安院士），此后在石油化工科学研究院、英国 Sussex 大学做博士后。黄启谷一直从事高性能聚烯烃新材料与绿色制备技术的研究，已在 JMC, Dalton Trans，J of Polym Sci, Part A，Polymer，Ind & Eng Chem Res，J of Ind and Eng Chem, Catalyst Letters, J of Mater Sci 等杂志上发表论文 80 余篇，国内、外会议论文 75 篇，申请发明专利 74 项（已授权 45 项）及 PCT2 项，形成了比较完整的知识产权保护体系。

From 2014 he has been worked at College of Materials Science and Engineering and State Key Laboratory of Chemical Resource Engineering, Beijing University of Chemical Technology, as a professor and doctorial student supervision having been on teaching and research in the field of New Materials of Polyolefin with High Performance and Green Technology. He studied in Zhongshan University for his Ph.D. in 2000 supervised by Professor Lin Shang-an, an academician of chinese academy of sciences. Then, he had the postdoctoralfellows in RIPP, SINOPEC and Sussex University, UK. He has more 80 publications in JMC, Dalton Trans, J of Polym Sci, Part A，Polymer，Ind & Eng Chem Res，J of Ind and Eng Chem, Catalyst Letters, J of Mater Sci，more 75 conference lectures，and 74 patents and 2PCT.

牛靓

中国石化催化剂有限公司
北京奥达分公司市场营销部副主任

Niu Liang

Deputy Director
Marketing and Technical Service Department
Beijing Auda Division, Sinopec Catalyst Co., Ltd.

毕业于天津大学化学工程与工艺专业，目前主要从事于聚烯烃催化剂的销售及售后服务工作，所涉及的市场包括国内市场和国际市场。

Graduated from Tianjin University, the major is Chemical Engineering and Technology. At present, mainly work on the sales and after-sales service of polyolefin catalyst, including domestic market and international market.

Dr. Masami Kanamaru

日本出光兴产株式会社研究员

Researcher, Idemitsu Kosan Co. Ltd.

1992 年在日本出光公司的先进技术研究实验室；

1995 获得东京工业大学博士学位；

2010 年任职于日本出光高性能材料实验室；

Start at Advanced Technology Research Laboratories of Idemitsu Co., Ltd in 1992

Doctor degree from Tokyo Institute of Technology in 1995

Incumbent serving at Performance Materials Laboratories from 2010

张师军

中国石化北京化工研究院副总工程师

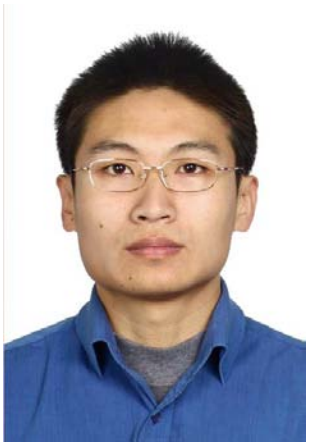
Prof. Zhang Shijun

Deputy Chief Engineer

Sinopec Beijing Research Institute of Chemical Industry

张师军，男，博士，博士研究生导师，教授级高级工程师，1962 年 11 月出生于江苏沛县，中国石化集团公司高级专家，国务院特殊津贴专家，中国石油化工股份有限公司北京化工研究院副总工程师，2015 年获得中国石油化工集团公司科技创新功勋奖，主要从事合成树脂的研究开发及加工应用方面的工作。在近三十年的专业技术工作中，获得国家发明二等奖一项，省部级以上的科技发明及进步奖二十五项，有国内授权发明专利 166 件，国外授权发明专利 63 件，获中国发明金奖一项，中国发明优秀奖两项，在国内外核心期刊发表学术论文 100 余篇，主编或参与编著专业书籍八部。承担并完成过中国石化项目 30 余项，同时以项目负责人的身份参加过十余项 863、973、国家攻关和国防化工新材料项目。共计获得各种荣誉称号奖项 20 余项，主要荣誉称号有中国石油化工集团公司科技创新功勋奖（2015 年），全国优秀化工科技工作者（2008 年），国务院特殊津贴待遇（2007 年），中国石化集团有突出贡献的科技和管理专家（2003 年）。”

Prof. Zhang Shijun, PhD supervisor, professorate senior engineer, was born in Peixian, Jiangsu in November 1962, senior expert of SINOPEC Group, State Council Expert for special allowance, Deputy chief engineer of Beijing Research Inst. of Chemical Industry (BRICI), won the science and technology innovation merit award of SINOPEC Group in 2015, mainly engaged in the research and development of synthetic resin and processing applications. In the past 30 years of professional work, Prof. Zhang won one item second prize of National Invention and 25prizes of Scientific & Technological Invention and Science Progress Award at the provincial level or above, had 166 authorized China patents and 63 authorized foreign patents, obtained one Gold Award and two Excellence Awards of China Patent Invention, published more than 100 academic papers in domestic and foreign core journals, edited or participated in 8 professional books, undertaken over 30 projects of Sinopec Group, participated in more than 10 projects of 863, 973 and other chemical new materials projects for national defense as project leader. Prof. Zhang totally received more than 20 honorary titles and awards, major honors including technology innovation merit award of SINOPEC Group (2015), National Excellent Chemical Scientist (2008), State Council Expert for Special Allowance (2007), outstanding technical expert of SINOPEC Group (2003).



梁晓龙

CB&I Novolen 技术服务经理

Liang Xiaolong

Technical Service Manager

CB&I Novolen Technology GmbH

Work Experience:

Sept. 1999-Dec. 2011 SEI, as a chemical engineer of process department.

2001-2004 CNOOC Nanhai Project utility unit,act as process engineer

2004-2006 SINOPEC 350kta HDPE in Maoming,act as process engineer

2006-2007 CNPC 600kta FDPE in Dushanzi,act as process engineer

2007-2008 SINOPEC 300kta LLDPE in Tianjin,act as process engineer

2007-2008 SINOPEC Process Design Package 30kta UHMWPE in Beijing ,act as lead process engineer

2007-2009 SINOPEC POSM Project in Zhenhai, Zhejiang Province,act as process engineer

2009-present SINOPEC Qilu 300kta HDPE,act as process engineer

2009-2010 SINOPEC MISUTSUBISHI PC Project 60kta PC in Beijing, act as process engineer

2007 FEASIBILITY STUDY REPORT on Sino-Kuwait Refinery / Petrochemical Joint Venture Project in Nansha, Guangdong, act as lead process engineer

2008 Technical Meeting of CNOOC 30/35 LLDPE Project in Huizhou, Guangdong, act as lead process engineer

2009 FEASIBILITY STUDY REPORT on SINOPEC MTO 300kta LLDPE Project in Guizhou Province, act as lead process engineer

2009 FEASIBILITY STUDY REPORT on SINOPEC 300kta LLDPE Project in Dongying, act as lead process engineer

Jan . 2012-2014 WISON , as a senior chemical engineer of process department.

2012-2012 yanchang petrochemical ACO project , act as lead process engineer

2012 Wison Nanjing 3rd stage project MTO project ,act as Process engineer

2012-present General design of JiangSu Sailboat MTO project, act as lead process engineer

Feb.2014 –now CB&I Novolen Technology GmbH as Technical Service Manager

王雅娴

埃克森美孚亚太研发有限公司 研究员

Dr. Wang Yaxian

Ph.D., Research Scientist

ExxonMobil Asia Pacific Research & Development Co., Ltd

2012.09-2017.06 复旦大学高分子化学与物理 博士

2015.09-2016.09 佐治亚理工学院，材料科学与工程

2008.09-2012.06 福州大学 学士

2012.09-2017.06 Fudan University, Ph.D in Polymer Chemistry and Physics

2015.09-2016.09 Georgia Institute of Technology, Joint Ph.D in Material Science and Engineering

2008.09-2012.06 Fuzhou University, B.E in Chemisty, National Science Base Class

孟鸿诚

中国石化镇海炼化公司质管中心、研发中心副主任

Meng Hongcheng

Deputy director of research center

Sinopec Zhenhai Refining & Chemical Company

孟鸿诚，男，高级工程师，中国石化镇海炼化公司质管中心、研发中心副主任，主要负责镇海炼化聚烯烃新产品研发和售后技术支持工作，是中国石化重大项目“功能性高分子膜材料关键技术攻关”技术委员会成员。30 多年来，长期从事炼化产品质量管理和新产品研发工作，由他承担或负责的聚烯烃新产品研发项目，多项被列入中石化“十条龙”攻关项目或“重大项目”，并多次获得中国石化技术发明奖及科技进步二等奖。

Meng Hongcheng, senior engineer, Sinopec Zhenhai Refining and chemical company quality control center, deputy director of research center, is mainly responsible for the Zhenhai polyolefin research and development of new products and customer service technical support work, is a member of the major project of Sinopec key technology of functional polymer film material of "technical committee. Over the past 30 years, has long been engaged in quality management of petrochemical products and new product development, R & D projects assumed by him or in charge of polyolefin new products, a number of listed Sinopec "ten dragon project" or "major projects", and has won the two prize of Sinopec Technology Invention Award and progress of science and technology.

张赪

北京燕山石化高科技术有限责任公司总经理

Prof. Zhang Cheng

General Manager
Beijing Yanshan Petrochemical High-Tech Co., Ltd.

毕业于大连理工大学，教授级工程师，担任北京燕山石化高科技术有限责任公司总经理、执行董事，北京塑料工业协会理事长，长期从事烯烃生产的新技术新工艺与高分子材料的研究开发，多项高性能高分子新材料成果实现了产业化，并取得了可观的经济效益。承担过国家级和中石化科技攻关项目，获得多项国家科技进步奖和省部级科技奖，其中《高效甲醇制烯烃全流程技术》项目获 2017 年度国家科技进步一等奖。曾获“中石化特殊贡献专家”称号，享受“政府特殊津贴”。

Prof. Zhang Cheng graduated from Dalian University of Technology. As a Senior Engineer, he is the General Manager and Executive Director of Beijing Yanshan Petrochemical High-Tech Co. Ltd., and the President of Beijing Plastic Industries Association.

For a long time, he has been engaged in research and development of new technology and new process of olefin production and macromolecular polymer materials, and many relevant high performance macromolecular polymer materials have been industrialized and significant economic benefit have been gained.

He has been responsible for many nation level and Sinopec level key scientific and technological projects, and won plenty of national science and technology progress awards and ministerial and provincial level awards, for example, the "high efficiency methanol to olefins whole process technology" project was awarded the First Prize of National Science and Technology Progress in 2017. In addition, Prof. Zhang Cheng has obtained title of "Special contribution expert of Sinopec" and enjoys "Special Government Allowance".

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2003-2007 学士，长春工业大学高分子材料与工程专业

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2003-2007 B.E.in Polymer Materials and Engineering Changchun University of Technology

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山东道恩高分子材料股份有限公司董事/总工程师

Dr. Tian Hongchi

Chief Engineer
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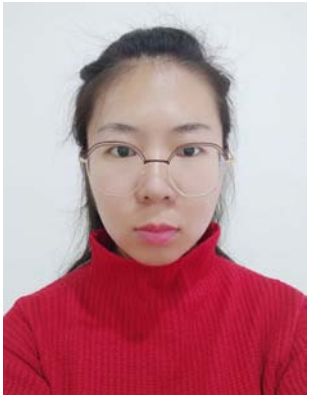
田洪池博士，1976 年出生，山东道恩高分子材料股份有限公司董事/总工程师，全国橡胶与橡胶制品标准化技术委员会委员，中国合成橡胶工业协会热塑性弹性体分会秘书长，先后获得国家科学技术发明二等奖、省科技进步奖 5 项，发表 SCI/EI 论文 30 余篇。作为项目主要负责人先后承担国家工信部、发改委、国家“十一五”、“十二五”科技支撑计划等重大课题 6 项，获“山东省突出贡献中青年专家”、“国家中青年科技创新领军人才”、“山东泰山产业领军人才”、国家“万人计划”领军人才等荣誉。

Dr. Tian Hongchi, born in 1976，Member of the National Committee for standardization of rubber & rubber products, Secretary General of TPE branch of China Synthetic Rubber Industry Association . He has won the second prize of National Prize for technical innovation, and 5 provincial level of Scientific and Technological Progress Awards, he published more than 30 SCI/EI papers. He won the "Shandong Province outstanding young experts" and "National Science and technology innovation leading talent", "Shandong Taishan industry leading talent", and national “Ten thousands of people plan” leading talent.



王悦莹

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Wang Yueying

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2011 至今一直从事聚烯烃产品的研究，在行业内积累了大量的数据；于 2013-2016 年每年组织并召开聚烯烃行业会议，于 2017 年组织并召开聚烯烃下游行业走访会议；为石化大型企业、地方企业及部分投行企业调研并撰写行业调研报告，如《聚烯烃行业调研报告》、《超低密度聚乙烯调研报告》及《聚乙烯行业调研报告》等。

Wang Yueying has devoted herself to the polyolefin research from 2011, accumulating a huge mass of industry data. She organized and presided polyolefin industry meeting every year from 2013 to 2017, wrote research reports, such as Polyolefin Industry Research Report, Ultra Low Density Polyethylene Research Report and Polyethylene Industry Research Report, for oil and petrochemical majors, investment banks, and local enterprises.