PROGRAMME WEDNESDAY | 9 October 2019

星期三议程 | 2019.10.09

Session 1: China: Non-Residential Passive House Projects, Room 3

专题论坛 01_中国：被动房公建项目 Room 3

1:30 pm **Zhaorui Zhang**
Application of Passive House technology in Tianjin hotel

张昭瑞
被动房技术在天津酒店项目中的应用

1:55 pm **Dawid Michulec**
Passive House experience from South China, Hangzhou/Jiaxing

大卫・米库莱克
杭州/嘉兴，华南地区被动房经验

2:20 pm **Tian Shuhui**
R&D Centre Hebei Academy of Building Research

田树辉
河北省建筑科技研发中心科研楼

2:45 pm **Yingying Li**
Research on key technologies for passive ultra-low energy consumption in China's Central Plains region

李莹莹
中原地区被动式超低能耗关键技术研究

3:10 pm **Deng Bintao**
From 0 to 1

邓滨涛
从0到1

Session 2: Airtightness and QA, Room 4

专题论坛 02_气密性和质量保证 Room 4

1:30 pm **Jürgen Schnieders**
Guidelines for airtightness measurements in highrise buildings

尤尔根・施尼德斯
高层建筑的气密性测试

1:55 pm **Qian Cai**
The selection of materials and measures for the airtightness of Passive Houses with different construction types

蔡倩
气密性材料的选用及不同结构被动房的气密性措施

2:20 pm **Michael Meyer-Olbersleben**
Measuring the airtightness in highrise buildings

迈克・迈耶-奥伯斯莱本
高层建筑的气密性测试

2:45 pm **Bai Yu**
Construction control and energy consumption operation of passive ultra-low energy green building renovation project

白羽
被动式超低能耗绿色建筑改造项目的施工控制与能耗运行

3:10 pm **Mengyue Peng**
Practice and thoughts on whole-process quality control of ultra-low energy passive buildings in China

彭梦月
中国被动式超低能耗建筑全过程质量控制的实践与思考

Session 3: Ventilation concepts, Room 5

专题论坛 03_通风系统规划 Room 5

1:30 pm **Andrea Bombasaro**
Innovative strategy for tall buildings retrofit: the case of Torri M. Bianca, Trento Italy

安德里亚・博马萨罗
高层既改建筑的创新策略：意大利特伦托托里・M・比安卡的案例

1:55 pm **Berthold Kaufmann, Huijun Jiang**
Ventilation+AC design layout for apartments in (Chinese) cooling climates

伯特胡特・考夫曼/江惠君
在(中国)寒冷气候条件下公寓的通风+空调设计布局

2:20 pm **Xing Wei**
Research on air distribution of all-in-one HVAC systems based on Airpak simulation

魏兴
基于Airpak环境一体机暖通系统气流组织模拟研究

2:45 pm **Jinhan Mo**
Collaborative design and research of fresh air ventilation system and exhaust system for kitchen and bathroom in PH

莫金汉
被动房新风净化空调系统和厨卫排风系统的协同设计及研究

3:10 pm **Fabian Ochs**
Ventilation, heating and domestic hot water preparation with decentral compact heat pumps

费比安・奥克斯
集新风，供暖及生活热水制备一体的分散式紧凑型热泵机组

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Session 4: Ecology, Room 6

专题论坛 04_ 全生命周期的被动房 Room 6

1:30 pm	Martin Aichholzer	马丁・艾克霍泽
	Use of sustainable building materials on the example of the "House of Learning"	以“学习之家”为例，使用生态建筑材料
1:55 pm	Ann-Marie Fallon	安-玛丽・法伦
	'High rise' Passivhaus development in the UK: Carbon impact study	英国“高层”被动房发展：碳影响研究
2:20 pm	Jason Quinn	詹森・奎因
	PHPP and LCAQuick – an integrated energy / Life Cycle Assessment toolset	PHPP和LCAQuick——一个综合能耗及全生命周期的分析工具
2:45 pm	Jessica Grove-Smith	杰西卡・格罗夫-史密斯
	Climate-specific renewable primary energy factors across China	气候因素决定的可再生一次能源系数在中国的应用
3:10 pm	Burkhard Schulze Darup	伯克哈特・舒兹・德瑞普
	Sustainable supply systems in multi-storey residential buildings	多层住宅中的可持续性能源系统

Session 5: WORKSHOP: designPH 2, Room 7

专题论坛 5 : designPH 2 专题研讨 Room 7

1:30 pm	Dragos Arnautu, Camille Sifferlen	德拉戈斯・阿诺图/卡米尔・西非朗
	designPH 2.0 explained – What the new shading algorithms can do for you!	全新 designPH2.0 —— 新的遮阳算法可以为你做什么！
1:55 pm	Dragos Arnautu, Camille Sifferlen	德拉戈斯・阿诺图/卡米尔・西非朗
	designPH 2.0 explained – What the new shading algorithms can do for you!	全新 designPH2.0 —— 新的遮阳算法可以为你做什么！
2:20 pm	Dragos Arnautu, Camille Sifferlen	德拉戈斯・阿诺图/卡米尔・西非朗
	designPH 2.0 explained – What the new shading algorithms can do for you!	全新 designPH2.0 —— 新的遮阳算法可以为你做什么！
2:45 pm	Dragos Arnautu, Camille Sifferlen	德拉戈斯・阿诺图/卡米尔・西非朗
	designPH 2.0 explained – What the new shading algorithms can do for you!	全新 designPH2.0 —— 新的遮阳算法可以为你做什么！
3:10 pm	Edwin May	爱德文・玛雅
	Using SketchUp as an information modeler for enhancing accuracy and simplifying certification	使用SketchUp创建的信息模型改进准确性并简化认证

Austria-Workshop - Austrian pioneers of Passive House and Passive House Plus

专题论坛 AUSTRIA_????

1:30 pm	Austria	安德
	xx	高层
1:55 pm	Austria	伯特
	xx	在(中
2:20 pm	Austria	魏兴
	xx	基于
2:45 pm	Austria	莫金
	xx	被动
3:10 pm	Austria	费比
	xx	集新

	Workshop Austria Alternative 2h				
15	Grussworte	Chin. Ministerium Öst. Ministerium Wolfgang Feist	id		0
15	Realizing the ecological civilisation	Reinberg Georg	221	Lecture_ xxx	1
15	Sinfonia - general overview retrofit projects	Wolfgang Streicher	232	Lecture _xxx	2
15	Only numbers count - life cycle costs in social housing	Helmut Krapmeier	229	Lecture_ xxx	3
15	PH supermarkets, student dormitories and hotels	Laszlo Lepp	292	Lecture _xxx	4
15	Refurbishment of the Primary School and Gymnasium, Ziersdorf	Martin Huber	76	Lecture_ xxx	5
15	Office and residential Passive House building in Zhuozhou, China – focus on monitoring	Schriefl, Kaufmann	276	Lecture _xxx	6
15	Passive house experience from South China	Dawid Michulec,	296	Lecture_ xxx	7
15	Use of sustainable building materials on the example of the "House of Learning"	DI Martin Aichholzer	81	Lecture_ xxx	8

3:30 - 4:00pm **Pause China**

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Session 6: Projects in Heating Climates, Room 3

专题论坛 06_被动房项目-炎热气候区

4:00 pm	Oscar Flechas	奥斯卡・弗勒查斯
	The Valleyview Town Hall: Energy efficiency in the Canadian subarctic	古景市市政厅：加拿大亚寒带气候区的节能建筑
4:25 pm	Thomas Lebinger	托马斯・莱宾格
	Passive Houses for active students – providing knowledge about eco-efficient buildings	主动地学习被动房——高能效建筑教学
4:50 pm	Maria Chiara Failla	玛利亚・克莱尔・菲拉
	The impact of thermal bridges in reinforced-concrete multi-family house and high-rise projects	热桥对钢筋混凝土集合住宅及高层项目的影响
5:15 pm	Georg Reinberg	莱因伯格・格奥尔
	Realizing the ecological civilisation	生态文明发展之路
5:40 pm POSTER	**Søren Dietz:** Passive House School in the northern part of Denmark: 7 years' consumption below PHPP calculated values | **Graeme Verhulst:** Passive House goes to work: A commercial office case study | **Dan Whitmore:** Verified successful airtightness approaches in the US and the PNW | **Johannes Kreißig:** Similarities of the Passive House and the DGNB-sustainbility certification concepts	Søren Dietz 索伦・迪茨: 丹麦被动房学校：运行七年的能耗低于phpp计算结果| Graeme Verhulst 格雷姆・维尔豪斯特: 达到被动房标准：一个商业办公案例研究 | Dan Whitmore 丹・惠特莫尔: 美国及西太平洋区域气密性建筑成功经验 | Johannes Kreißig: Similarities of the Passive House

Session 7: China: Implementing Passive House, Room 4

专题论坛 07_中国 - 被动房项目实施

4:00 pm	Kong Lingchen	孔令晨
	Key points of passive building design control from the perspective of Party A	甲方视角下的被动房建筑设计管控要点
4:25 pm	Zhao Shaobiao	张少彪
	Analysis on the development status and application of assembled ultra-low energy buildings	装配式超低能耗建筑发展现状及应用浅析
4:50 pm	Xianghui Pan	潘向辉
	German Passive House technology „Chinese style re-innovation"	德国被动房技术“中国式再创新”
5:15 pm	Mou Yu	牟裕
	Let Passive House construction become "Non-passive"	让被动房的建造变得“不被动”
5:40 pm POSTER	**Shuo Li:** Study on the design of Passive House without thermal bridge: Community center project Sino-German Ecological Park | **Qi Li:** Discussion on design of passive ultra-low energy building based on performance measurements | **Funan Zhang:** Study on the performance of doors and windows installed in the optimal insulation position of different wall structures | **Wen Tao:** Analysis for outdoor air system heat recovery of commercial Passive House | **Yu Chuair:** PHI certified steel precast construction systems	Shuo Li 李硕: 被动房无热桥设计研究--以中德生态园被动房住宅推广示范小区项目为例 | Qi Li 李琪: 基于性能实测的被动式超低能耗建筑设计若干问题的探讨 | Funan Zhang 张福南: 门窗安装在不同墙体结构最佳保温位置的性能研究 | Wen Tao 文韬: 被动房商业建筑新风热回收分析 | Yu Chuai 揣雨: 被动房研究所认证的钢结构装配式建筑系统

Session 8: Construction Systems, Room 5

专题论坛 08_建造系统

4:00 pm	Franz Freundorfer	弗朗茨・弗罗因多费尔
	Passive House Building envelope in all climatic regions – solutions for the practice	适用于所有气候区域的被动房外维护结构——可实施性的解决方案
4:25 pm	Ludwig Rongen	路德维希・隆恩
	Prefabricated Passive Houses in modular construction	装配式被动房模块化建造
4:50 pm	Edward Lowes, Soraya Lopez	爱德华・洛伊斯/索拉雅・洛佩兹
	Uptake of native Certified Passive House Components by the Chinese passive construction sector – a gap analysis	中国本土被动房建筑行业认证组件制造商的飞跃——发展分析
5:15 pm	Xiaodong Xia	夏晓东
	Prefabricated, thermal bridge-free light steel and light slurry walls	预制轻钢轻浆料无热桥墙体
5:40 pm	Marcus Strang	马库斯・斯特朗
	Material benefits and risks of cross laminated timber for Passive House construction in tropical climates	正交胶合木在热带地区被动房应用的优势及风险

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Session 9: SINFONIA: Deep retrofits international, Room 6

专题论坛 09_国外既改项目 (SINFONIA 项目) Room 6

4:00 pm **Dragos Arnautu**
Lessons from an EnerPHit industrial building in Sri Lanka

德拉戈斯・阿诺图
斯里兰卡既改被动房项目的经验教训

4:25 pm **Milica Tumbas**
Old quad – Significant heritage building retrofitting to Passive House EnerPHit standard

米立卡・托姆巴斯
"老宅"——以被动房既改建筑标准修复的重要历史保护建筑

4:50 pm **Michael Ingui**
Combining a systematic approach with final design benefits for Passive House retrofits

迈克尔・因古伊
将建筑改造的系统方法与改造设计的优势相结合

5:15 pm **Xing Zhao, Hsuanyin Peng**
Building airtightness and Chinese craft – the Ao'ni Courtyard project in Songyang, China, as an example of how traditional timber construction can achieve EnerPHit

赵星/彭宣颖
建筑气密与中国工艺——以松阳岙呢院子传统木结构被动房改造项目为例

5:40 pm POSTER
Szabolcs Varga: Case study of a pre-certified step-by-step retrofit to EnerPHit Standard of a 1950`s building located in a cold climate zone | **Bozena Dorota Hrynyszyn:** Retrofitting according to the EnerPHit Standard in cold climate – components | **Søren Dietz:** Final renovated social housing to PH standard with district heating, $C0_2$ emissions of future energy systems

POSTER
Szabolcs Varga 绍博尔奇・沃尔加: 项目分析：寒冷气候区20世纪50年代建筑被动房分步改建 |
Bozena Dorota Hrynyszyn 波在纳・多洛塔: 寒冷气候下改建被动房项目—— 组件 |
Søren Dietz 克尔森・迪兹: 社会保障性住房改造达到PH标准，住区未来供热总二氧化碳排放量

Session 10: WORKSHOP: Kitchens, Room 7

专题论坛 10_被动房厨房 Room 7

4:00 pm **Peng Xiao**
Exhaust fumes and air exhaust system in kitchen of a Passive House residential building

肖鹏
被动式居住建筑内厨房排油烟与补风排风系统

4:25 pm **Haifeng Guo**
Study of kitchen HVAC design complications and overall ventilation systems in Chinese Passve House residential buildings.

果海凤
被动房住宅内中式厨房的暖通设计难点及通风系统研究

4:50 pm **Zhao Yang**
Discussion of selfbalance oil fume purifier in passive room kitchen

杨肇
论零和式油烟净化器在被动房厨房中的应用

5:15 pm **Stefan Schirmer**
Ventilation system in Chinese Passive House: Challenges with integration of WC and kitchen in heat recovery

斯蒂芬・希爾默
被动房通风系统：厨房与卫生间一体化热回收的挑战

5:40 pm **Sichen Sheng, Berthold Kaufmann**
Extractor hoods in kitchens in energy-efficient buildings

盛巳宸/博特胡特・考夫曼
节能建筑厨房中的油烟机

6:00 - 6:30pm **Pause China**

6:30 - 9:00pm **Abendessen China**

Passive House Networking Party 被动房交流晚宴

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Session 11: SINFONIA: Districts, Room 3

专题论坛 11_被动房居住区 (SINFONIA 项目)

11:30 am **Christopher Higgins**
City process for ensuring projects target and achieve Passive House certification

克里斯托弗・希金斯
为确保项目目标并取得被动房认证的城市化进程

11:55 am **Ralf Bermich**
Passive House city district Heidelberg-Bahnstadt – experience and evaluation

拉尔夫・贝尔米西
海德堡被动房城市街区 —— 列车新城项目经验及评估

12:20 pm **Jürgen Schnieders**
Implementation of the Passive House standard in social housing in Mexico, lessons learned

尤尔根・施纳德
墨西哥经济适用房的被动房标准施行及经验

12:45 pm **Han Fei**
Large-scale Certified Passive House development in Qingdao, China – demonstrative residential project settles in Sino-German

韩飞
中国青岛大规模被动房开发认证

1:10 pm **Günter Lang**
The reduction by 50% of the energy demand until 2050

君特・朗
2050年减碳50%：比较三个城市和农村的被动房目标区域

Session 12: Training and design concepts, Room 4

专题论坛 12_ 被动房设计与教育培训

11:30 am **Susanne Winkel**
Quality assurance through further training

苏珊娜・温克尔
通过进修保证良好的素质

11:55 am **Daxiong Si**
The significance of Passive House education in Chinese colleges and universities

司大雄
被动房课程在中国高校开展的意义

12:20 pm **Enrico Bonilauri**
Re-Learning Training: The need and potential for regional and trades-specific training

恩里科・伯尼拉瑞
再学习培训：区域及行业性培训的需求和潜力

12:45 pm **Wolfgang Frey**
Thermal comfort in summer versus large windows

玛
热

1:10 pm **Huifang Zhang**
Design strategies for thermally broken Passive House details

张慧芳
被动房断热桥节点的设计思路与方法

Session 13: Non-residential buildings, Room 5

专题论坛 13_被动房公建项目

11:30 am **Ernst Schriefl, Berthold Kaufmann, Dawid Michulec**
Office and residential Passive House building in Zhuozhou, China – focus on monitoring

厄恩斯特・施里夫/博特胡特・考夫曼/大卫・米舒列克
中国涿州办公及住宅被动房项目 —— 关注监测

11:55 am **Andrea Frisque**
The Wood Innovation Research Laborator at UNBC, Prince George, BC, Canada

安德里亚・弗瑞斯科
加拿大乔治王子城不列颠哥伦比亚大学．木材创新研究实验室

12:20 pm **Marine Sanchez**
Strategies for improving energy efficiencies in large institutional kitchens

马林・桑切斯
提高用于机构的大型厨房的节能政策

12:45 pm **Andrew Peel**
Shifting gears: A Passive House car dealership in the making

安德鲁・皮尔
换挡：一家正在成长的被动房车经销商

1:10 pm **Jessica Grove-Smith**
Passive House Guidelines for Indoor Swimming Pools

杰西卡・格鲁夫史密斯
被动房游泳馆设计指南

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Session 14: Project Monitoring and Results, Room 6

专题论坛 14: 北美洲项目, Room 6

11:30 am	Jesus Menendez Keeping overheating cool	杰西・梅南德斯 预防过热
11:55 am	Miwa Mori Measured data of the Passive Town Phase 3 in Kurobe	森美和 黑部市被动房村三期监测数据
12:20 pm	Marco Filippi Pilot Passive House in UAE – Results from monitoring	马尔科・菲莉比 阿联酋的被动房试点项目 —— 监测结果
12:45 pm	Georgios Dermentzis Three years monitoring analysis of two multi-story net zero energy buildings	乔治・德门子 两个近零能耗住宅的三年监测分析
1:10 pm	Han Fei, Liu Bin, Berthold Kaufmann Qingdao PHTEC monitoring within two years of operation	韩飞/刘斌/博特胡特・考夫曼 青岛生态园技术中心两年运行监控

Session 15: AZEB WORKSHOP Building Envelope, Room 7

专题论坛 15_进阶专场- 建筑围护结构 Room 7

11:30 am	Edward Lowes, Soraya Lopez Component Award 2019 – Window of the futur	爱德华・洛伊斯/索拉雅・洛佩兹 2019年组件奖——未来之窗
11:55 am	Franz Freundorfer 20 years of development work on the Passive House window, a cool story	弗朗茨・弗罗因多费尔 20年的被动窗开发工作——一个很酷的故事
12:20 pm	Hagen Weber Passive House certified curtain walls / The difficult relation between demand & reality	哈根・韦伯 被动房认证幕墙系统 / 需求与现实的矛盾关系
12:45 pm	Roman Krame Reducting structural thermal bridge effects – a best practice study on Passive House projects in China	罗成 减少结构性热桥效应——中国被动房优秀项目研究
1:10 pm	Soraya Lopez Passive House Institute certification of transparent and opaque building envelope components	苏拉洛・佩兹 被动房透明及非透明外围护结构认证

1:30 - 2:30pm **Mittagspause/Mittagessen China**

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Session 16: SINFONIA: Deep retrofits in Europe Room 3

专题论坛 16_欧洲地区被动房改造项目 Room 3

2:30 pm **Laszlo Lepp**
SINFONIA – Selection of outcomes and best practice examples from Innsbruck

拉斯・洛莱普
SINFONIA 项目—— 因斯布鲁克的优秀案例结束

2:55 pm **Martin Huber**
Refurbishment of the Primary School and Gymnasium, Ziersdorf

约翰内斯・基斯林格
齐斯多夫小学和健身馆的翻新

3:20 pm **Wolfgang Streicher**
Results of deep renovation of two Austria Schools

沃尔夫冈・施特莱彻
两所奥地利学校深度改造成果

3:45 pm **Bernd Steinmüller**
From Experimental to Passive House Plus – some 4-decade insights

贝恩德・斯坦米勒
从实验到实现—— 40年优级被动房之路

4:10 pm **Helmut Schöberl, Ernst Schriefl**
EnerPHit renovation of a resicential building in Vienna with preservation of its historical façade

赫尔穆特・旭博/厄恩斯特・施里夫
以EnerPHit标准改造 - 维也纳历史保护区居住建筑的外观

Session 17: Projects in cooling dominated climates, Room 4

专题论坛 17_ 被动房项目 - 制冷需求气候区

2:30 pm **Pablo Carranza Navarro**
Basa I, Passive House multi-family dwelling in Zaragona (Spain)

巴勃罗・卡兰扎・纳瓦罗
萨拉戈萨（西班牙）的被动房集合住宅：BASA DE LA MORA

2:55 pm **Sichen Sheng**
Efficient cooling and dehumidification strategies in warm and hot climates

盛巳宸
在温暖和炎热气候里有效的制冷和除湿策略

3:20 pm **Piero Russo**
Cost-effective multi-family building in warm climate

米歇尔・沃索弗
温暖气候区经济性集合住宅建筑

3:45 pm **Micheel Wassouf**
Chengdu mixed use building – a Passive House challenge in the heart of China

米歇尔・瓦索夫
成都混合功能建筑——中国中心区域的被动房挑战

4:10 pm **Pablo Sepulveda Corradini**
Meeting the Passive House standard through parametric design

巴勃罗・塞普维达・科拉蒂尼
通过参数化设计满足被动房标准

4:35 pm POSTER
Luiz Bezerra: Passive House in the Equator line (very hot and humid climate) – BRAZIL

POSTER
Luiz Bezerra 路易斯・贝瑟拉: 赤道上的被动房（炎热潮湿气候区）—— 巴西

Session 18: Policy and financing, Room 5

专题论坛 18_政策与补助

2:30 pm **Hartmut Murschall**
Passive Houses in 50 solar- and 100 climate protection estates in the former coal-and steel-region North Rhine-Westphalia

哈特穆特・穆沙尔
北莱茵 -威斯特法伦州前煤炭和钢铁区域的50个太阳能及100个气候保护被动房

2:55 pm **Helmut Krapmeier**
Only numbers count – life cycle costs in social housing

赫尔穆特・科瑞迈耶
只有数字可靠 —— 保障性住房实际生命周期成本

3:20 pm **Carl-Peter Goossen**
New finance model for apartments to approaches neutral living expenses before and after EnerPHit renovation

卡尔・彼得・古森斯
通过公寓被动房既改前后的新财务模型验证低生活成本

3:45 pm **Thilo Cunz, Johann Souvestre**
Long-term monitoring of the successful energy efficient Brunck-Quarter modernization

蒂洛・孔兹/约翰・梭维斯特
布伦克街区有效节能改造的长期监控成果

4:10 pm **Lloyd Alter**
Framing the conversation: How do we talk about Passivhaus

罗爱德・奥尔特
构思对话：我们如何谈论被动房

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星期四议程 | 2019.10.10

Session 19: China: Residential Passive House Projects, Room 6

专题论坛 19_中国项目: 被动房住宅项目 Room 6

2:30 pm **Rolf Demmler**
Tianjin eco-city residential high-rise Passive House

罗尔夫・德姆勒
天津生态城高层被动房项目

2:55 pm **Chun Li**
Optimization of the U-value of exterior walls with external insulation and of the g-value of glass in Chinese hot-summer and cold-winter regions

李淳
夏热冬冷地区外墙外保温U值与玻璃g值的优化

3:20 pm **Fuhao Jiang**
Design, optimization and construction of residential building 40# in Project Phase I in Beijing (Caofeidian) Modern Industry Development Experimental Zone (first zone of Eco-city)

姜福塑
北京(曹妃甸)现代产业发展实验区(生态城先行启动区)一期40#住宅楼项目的设计，优化以及施工

3:45 pm **Alberto Lippolis**
Multifamily homes in China – initial design, optimization potentials and the impact of it

奥雷利亚・利波利斯
中国集合住宅 —— 初 步设计、优化潜力及其影响

4:10 pm POSTER

Huanlin Zhang: Huangshan reception center project of Shandong Hua Jian Aluminum Industry Group | **Stefan Schirmer:** Social Housing in Beijing in Passive House standard | **Shou-Kong Chen:** Sunyoung Pavilion – A Passive House in Shanghai
Park Byoungyoeol: A Passive House Village in Korea

POSTER

Huanlin Zhang 张环林: 山东华建铝业黄山接待中心项目 |
Stefan Schirmer ---石特凡: 北京经济适用房项目 |
Shou-Kong Chen 陈首恭: 上海舜元被动房项目 |
Park Byoungyoeol 朴伯烈: 韩国被动房村 |

Session 20: WORKSHOP: Design Tools, Room 7

专题论坛 20_进阶专场 - 设计工具介绍 Room 7

2:20 pm **Jan Steiger**
PHPP 10 – The design tool for robustness and future proof buildings

贾恩・泰格
PHPP 10 ——可靠的设计工具确保明日节能建筑

2:55 pm **Cheney Chen, Cillian Collins**
Explorations in optimizing PHPP using „Grasshopper"

切尼・陈/西莲・柯林斯
使用 "Grasshopper（蟋蟀）" 优化被动房遮阳的计算

3:20 pm **Jürgen Schnieders**
PHPP validation according to ASHRAE 140

尤尔根・施纳德
根据ASHRAE 140进行PHPP验证

3:45 pm **Jessica Grove-Smith**
Project-specific primary energy requirements for Passive House Certification

杰西卡・格鲁夫・史密斯
被动房认证具体项目主要能源的需求

4:10 pm **Berthold Kaufmann, Wolfgang Hasper**
Performance monitoring and evaluation with PHPP: new features for PHPP 10

博特胡特・考夫曼/沃尔夫冈・哈斯佩
使用新PHPP进行性能监视及评估:PHPP10的新特性

4:35 pm POSTER

Jürgen Schnieders: A calculation procedure for the heat losses caused by vented drain pipes

POSTER

Jürgen Schnieders 尤尔根・施纳德:
排（污）水管热损失计算方法

4:30 - 5:00pm **Pause China**