

Intelligent data for a green future 智慧数据 绿色未来

#### 2019年 英福思亚洲汽车技术研讨会 2019 Influx Asia Automotive Technology Conference

邀请函 Invitation

2019年10月17日 • 华侨大厦 • 北京 17<sup>th</sup> Oct 2019 • Prime Hotel • Beijing











Gateway Smart data CAN FD Data analysis J1939 OBD Calibration Benchmark Big data Vehicle network Data logging

# Make data talk

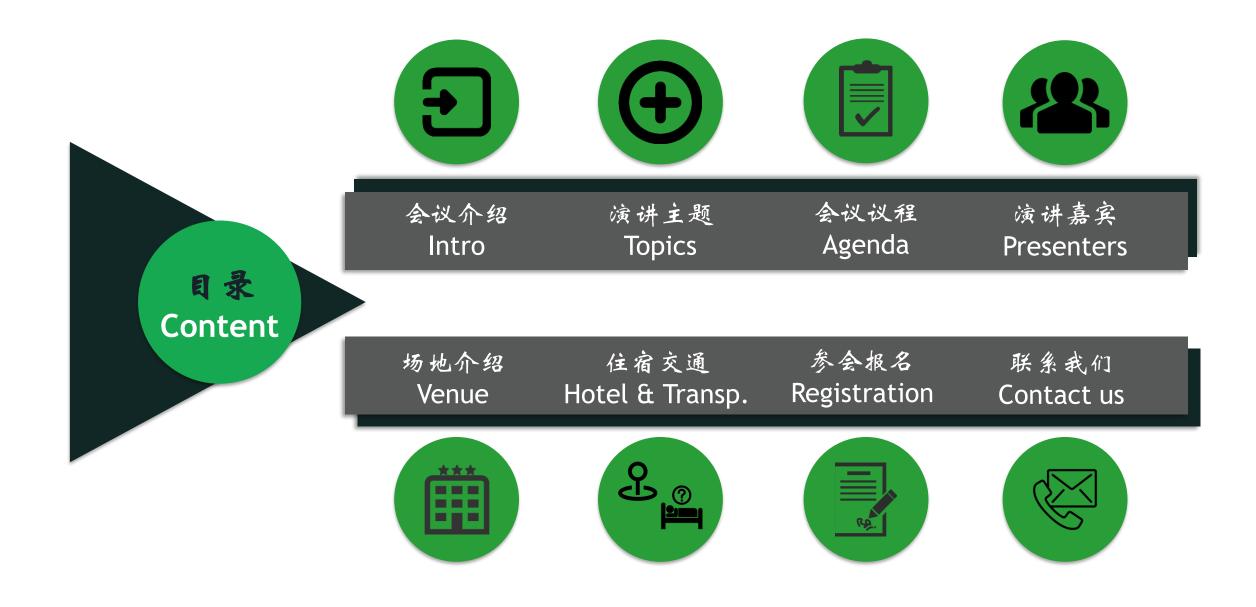
Launched by Influx Technology Ltd. 由英国Influx Technology Ltd发起

Hosted by 主办单位: Influx Asia (China) 英福思亚洲中国 Assisted by 协办单位: Warwick Control (UK)英国Warwick公司

LRW Engineering (UK)英国WarWick公司 Kvaser (China) 瑞典Kvaser中国公司

An opportunity that brings together technology experts from the UK and Europe to discuss technologies with Chinese automotive engineers 旨在引入英国及欧洲的汽车行业技术专家及技术, 与中国汽车工程师一起交流分享。

To make technology and data work for you. Participants will benefit from the in depth knowledge of the presenters. The theme of this year's conference is 'Make data talk'! 让技术和数据发挥最大价值,让每一位参会人员都有所 收获。本次会议的主题是:让数据说话!





2019年英福思亚洲汽车技术研讨会 2019Y Influx Asia Automotive Technology Conference We are living in the age of too much data...Every millisecond today's vehicles are using sensor data and data algorithms to make the crucial decisions for vehicle occupants. The rapid rise in our ability to generate data for these algorithms is not matched by our ability to collect, analyse, understand and manage this big data. VtoCloud will turn Big data into Smart data, enable engineers and technology experts to control the data from vehicles.

我们正生活在数据大爆炸时代。如今的汽车每毫秒所使用的传感器数据和数据算法对于驾驶员来说至关重要。但现今的数据算法能力,即收集、分析、理解及管理这些大数据的能力却与急速上升的数据产生量并不匹配。VtoCloud将大数据转变成智能数据,让工程师和技术专家可以控制这些生成的汽车数据。

# 会议 介绍 Intro

The In-vehicle network technology used in a typical truck is based on J1939 which is an open standard defining signals shared between ECUs. However, the reality is that many messages and signals are proprietary manufacturer specific and therefore unknown in the same way as with passenger cars. This presentation discusses the tools and techniques for benchmarking a truck with examples from a number of case studies.

通常用在卡车上的车载网络技术是基于J1939的,一种能在不同ECU之间共享信号定义的开放标准。但 现实情况是许多报文信号是制造厂自己特殊定义的,因此无法采用与乘用车相同的方式了解这些报文信 息。演讲中,我们将讨论可使用的工具和技术来对标卡车案例,并结合过去成功的一实案例介绍。 Key data collection and testing techniques required in the modern automotive development process and how to get the most out of your data!

Data is a valuable commodity, and modern data acquisition equipment has the ability to provide all the data an engineer requires. We will discuss how to utilize this data to its maximum potential, efficiently.

现代汽车开发流程中的关键数据采集及所需的测试技术,以及如何挖掘数据的最大价值! 数据已经成为一种价值财富,现代数据获取设备能够提供工程师所需的所有数据。我们将会探讨如何 最大化地利用这些数据,挖掘数据潜力和效率。

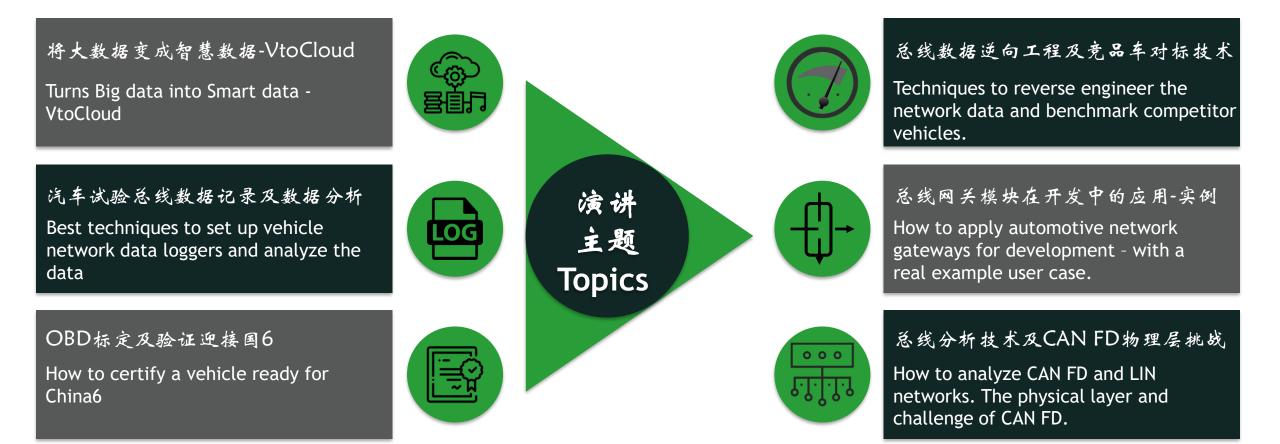
会议 介绍 Intro

# HOTOPIC

A focus on the key legislation changes for the China 6 market. We will share information of how to achieve these new requirements using extensive EU and NAS market experience. 专注于中国市场国六法规的关键变化。我们将根据欧洲和南美市场的丰富经验,分享如何达到这些新法规的要求。



CAN FD is an evolution of the CAN bus increasing data transfer rates. LIN is a complementary technology used for lower speed systems. The presentation gives an overview of these technologies along with how to analyse and simulate devices on these networks. CAN FD是CAN总线数据传输速率增加的演化。LIN是用于汽车低速系统的辅助技术。在演讲中我们将 在介绍这些总线技术概要的同时,分享如何分析和仿真这些网络中的模块。





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Content/Topic		日程/主题	会议
Registration		签到	议程
Open beginning/Welcome		开场及欢迎词	Agend
Best techniques to set up vehicle network data log and analyze the data - Data logging for vehicle test (Influx, Jerry, 20mins) - Data analysis (LRW: Craig, 20mins) Turns Big data into Smart data - VtoCloud	gers	演讲主题:汽车试验中总线网络数据记录及数据分 - 汽车试验中的数据记录(Influx, Jerry, 20分钟) - 汽车试验数据分析(LRW, Craig, 20分钟) 演讲主题:将汽车大数据变成智能数据-VtoCloud	析
Presentation: (Influx, Lance, 30mins) (LRW, Richard, 30mins)		演讲者:Influx, Lance, 30分钟 LRW, Richard, 30分钟	
How to certify a vehicle ready for China6 Presentation: LRW, Craig (45 mins)		演讲主题:如何保证汽车准备好国6法规? 演讲者:LRW,Craig,,45分钟	
Q & A for morning topics (20 mins)		提问环节(20分钟)	
Techniques to reverse the network data and bench competitor vehicles.	nmark	演讲主题:总线数据逆向工程及竞品车对标技术 - UDS/CAN 乘用车对标(Influx, Lance, 30分钟)	
- UDS/CAN on passenger car (Influx, Jerry, 30mins) - J1939/Truck benchmarking (Warwick, Chris, 30mins)		- J1939/卡车对标(Warwick, Chris, 30分钟)	
How to apply automotive network gateways for development - with a real example use case. Presentation: Influx, Stefan, 40mins		演讲主题:总线网关模块在开发中的应用-实例 演讲者:Influx,Stefan,40分钟	
How to do CAN FD and LIN Networks analysis Presentation: Warwick, Chris, 40 mins		演讲主题:如何做CAN FD和LIN网络分析 演讲者: Warwick, Chris, 40分钟	
Physical layer analysis and challenge of CAN FD Presentation: Kvaser, Derek, 40mins		演讲主题:CAN FD物理層分析\與面對的挑戰 演讲者:Kvaser, Derek, 40分钟	

Director & Chief Engineer at Influx Technology Influx Technology 创始人、董事及首席工程师

#### Influx Technology 创始人及首席工程师,行业技术专家,曾供 职于英国捷豹路虎、福特汽车厂,并作为多年的签约技术专家。 ATI英国分公司创始人。

Influx公司开发的记录仪及数采产品已服务于全球众多汽车领域 客户。在汽车动力总成标定、汽车试验及验证、数据记录及采 集、数据分析、汽车总线开发、车辆对标等方面均积累了近30 年的工程经验和项目经验。基于这些丰富的技术经验,能够为 行业客户提供创新性的解决方案。

Founder and Chief Engineer of Influx Technology. Lance is an industry technical expert, and worked for Jaguar Land Rover and Ford Motor in the United Kingdom and also used to be a contracted technical expert for many years. Also a founder of ATI UK. Influx Technology have developed data loggers and instruments which have served many automotive customers around the world. In automotive powertrain calibration, automotive testing and verification, data logging and acquisition, data analysis, automotive network development, vehicle benchmarking, etc. Lance has accumulated 30 years of engineering experience and projects experience. Based on this extensive technical experience, we can provide innovative solutions to industry customers.

#### Mr. Lance Keen



演讲 嘉宾 Presenter Founder and director of Warwick Control Technologies Warwick Control 创始人及董事,博士

# Dr. Chris Quigley

Warwick控制的创始人及董事,博士。Warwick控制是致力于 在车载控制网络技术领域提供专业诊断工具、培训和专业知识 的公司。Chris在车载网络技术如CAN,J1939,LIN和FlexRay拥有 25年的工程经验和研究经验,应用包括汽车、卡车、轮船以及 工业控制系统。并经常参与汽车电子国际标准组织活动。在创 建Warwick控制之前,Chris曾在Warwick大学就职,并参与方 程式-1汽车竞赛

嘉宾 Presenter

演讲

A founder and director of Warwick Control Technologies, a company specializing in providing diagnostic tools, training and expertise for in-vehicle control network technology. Chris has over 25 years of industrial and research experience in the application of in-vehicle networking technologies such as CAN, J1939, LIN and FlexRay on automotive, truck, marine and industrial control systems. He regularly participates in vehicle electronic International Standards Organization activities. Before Warwick Control Technologies, Chris formally worked at the University of Warwick and in Formula-1 motor racing.



Director & Chief Engineer at LRW Engineering LRW 董事及首席工程师

Mr. Richard Threlfall

行业技术专家。在职业生涯中已接触并深入多个专业的技术领域,包括劳斯莱斯航空发动机,EV开发&生产以及多个与Ricardo和Zytek的合作项目。

演讲 嘉宾 Presenter

> Richard has worked in several sectors over his career including Rolls Royce aero engines, EV development & production and various projects at Ricardo & Zytek. Richard is an expert in automotive industry.



Director & Calibration Project Lead at LRW Engineering LRW董事及标定业务负责人

## Mr. Craig Fraser

LRW标定团队负责人,基于UK的诸多OEM。交付的标定项目均为给客户交钥匙工程,包括捷豹路虎,宾利汽车,跨越全球市场和不同的动力总成平台。在OBD标定和认证领域有非常丰富的经验。

演讲 嘉宾 Presenter

> LRW calibration team lead for UK based OEMs. Delivering calibration work packages to customers such as Jaguar Land Rover and Bentley Motors across all worldwide markets and many different powertrain platforms. Has very rich experience on OBD calibration and verification.



Project Manager at Influx Technology Influx Technology 技术开发负责人

Influx Technology 保加利亚技术开发中心负责人,具有 20多年的总线产品软件及硬件开发经验和项目管理经验, 对于CAN,LIN, FlexRay, Ethernet汽车总线网络技术 均有深厚功底和背景。对互联网、数据库和大数据分析 也有丰富的开发经验。已经服务于Influx Technology超 过15年以上。

演讲 嘉宾 Presenter

> Stefan is the head of Influx Technology Bulgarian Technology Development Center, with more than 20 years of experience in software and hardware development and projects management of vehicle network products, and has a deep foundation and background in CAN/LIN/FlexRay/Ethernet bus technology. He also has extensive development experience on the Internet, Microsoft databases and big data analytics. Has served Influx Technology for more than 15 years.

### Mr. Stefan Nikolov



Managing Director of Kvaser HK/Australian Kvaser 香港/澳大利亚区域负责人

# Mr. Derek Sum

从事CAN相关事业超过13年。相关工作经验始源与汽车 行业CAN系统应用测试,06年开始接触使用Kvaser产品。 曾经从事行业包括汽车行业,工业自动化生产,放射线 检测设备等之相关CAN应用研发与测试。2011年加入 Kvaser,曾担任职务工作范围包括产品技术服务与支持, 产品研发。

现为Kvaser香港亚太区业务经理。

演讲 嘉宾 Presenter





演讲 嘉宾 Presenter 场地 介绍 Venue





#### Beijing Prime Hotel 北京华侨大厦

17<sup>th</sup> Oct 2019







华侨大厦是坐落在王府井大街上的著名商务型酒店。毗邻 王府井步行街。天安门、故宫、景山、北海近在咫尺,和 美术馆、首都剧场、民航总局为邻。 酒店周围同时有各价位酒店宾馆可选,既有万豪、皇冠假 日,也有全季酒店,丽枫酒店,如家等可选。

Prime Hotel is a famous business-class hotel located on Wangfujing Street. Adjacent to Wangfujing Pedestrian Street. Tian'anmen, The Forbidden City, Jingshan Park, the North Sea are close at hand, and the Art Museum, the Capital Theatre, the General Administration of Civil Aviation.

There are still hotel options around the hotel at various price points, from Marriott, Crowne Plaza to full-season hotels, Lifeng Hotels, such as home.









住宿及 交通 Hotel & Transp. 住宿及 交通 Hotel & Transp.



华侨大厦:王府井大街2号,距离中国美术馆地铁站60米
酒店距机场打车45分钟,距火车站15分钟,交通便利

- 北京T3机场可打车,或乘坐市内巴士线-王府井线,终 点站下车即可
- 北京南站,北京西站或北京站可乘坐地铁在8号线美术 宿站、6号线东四站、5号线灯市口站下车,下车后步行 可达

Prime Hotel: 2 Wangfujing Street, 60m from The China National Art Museum Subway Station

- 45 mins from T3 airport, 15 mins from the train station to the hotel by taxi;
- Also can take a city bus- Wangfujing line from Beijing T3 airport, get off at the terminal
- Also can take subway and get off on Line 8 at Art Museum Station, or on Line 6 at East 4 Station, or on Line 5 at Dengshikou Station from Beijing South Train Station, Beijing West Train Station or Beijing Train Station, then walk to hotel



参加此次会议,您将得到:

- 满满的汽车行业技术干货!
- 3个月的Module Analyser软件和X-Analyser Pro软件试用口令
- 上、下午茶歇及免费西式自助午餐一份
  - 精美礼品一份及技术资料

\*本次会议限额100人,报名费500元/人,仅限 报名及交费成功的前100人(报满即止,截止日 期10月11日),机会有限,先到先得哦!

To attend this conference, you will get:

• Full of automotive technology

报名

Registration

- 3-month Module Analyser and X-Analyser Pro software trial licenses
- Morning and afternoon tea breaks and a free Western buffet lunch
- Beautiful gifts and technical information \*This meeting limits of 100 people, with registration fee 500RMB per person. Only the first 100 people to register and pay the fee successfully can be reserved (the deadline of October 11). Limited opportunities, first come first-served!





ENGINEERING

TECHNOLOGY

2019Y Influx Asia Automotive Technology Conference





2019年英福思亚洲汽车技术研讨会 2019Y Influx Asia Automotive Technology Conference













# Thanks for your attention



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