



LED主题专区 LED Segment



国际LED创新论坛

International LED Innovation Forum

2012年3月20日, W3馆M10会议室(二楼)
March 20, 2012, Hall W3, Conference Room M10 (on the second floor)

时间 Time	演讲题目 Presentation	演讲嘉宾 Speaker
主持人: 程玉华教授, 博士生导师, 北京大学上海微电子研究院院长 Chairman: Yuhua Cheng, Ph.D., Shanghai Research Institute of Microelectronics, Peking University		
09:45-10:15	智能绿色LED照明技术与应用 Smart & green LED lighting technologies and applications	北京大学上海微电子研究院院长, 程玉华教授, 博士生导师 Peking University, Shanghai Research Institute of Microelectronics, Yuhua Cheng, Ph.D.
10:15-10:45	紧凑高效的LED驱动单芯片方案 One chip for compact & efficient LED driving solution	意法半导体, Scott Han, 电源管理部门高级工程师 STMicroelectronics, Scott Han, Senior Application Engineer of Power management
10:45-11:15	高可靠性SSL设计实用指南 High reliability SSL design - a practical guide	RECOM, 韩雄文, 销售经理 RECOM, Simon Han, Sales Manager
11:15-11:45	引领变革, 加快启动LED照明应用 Leading revolution and accelerate LED lighting adoption	上海科锐光电发展有限公司, 林铁, 中国市场推广部总监 Cree, Tie Lin, Director of China Marketing Communications
11:45-12:15	低功率LED照明的趋势与解决方案 Low power LED lighting trend & solution	飞兆半导体, 陈立烽, 技术副经理 Fairchild Semiconductor, Albert Chen, Assistant Field Application Manager
主持人: 复旦大学电光源研究所所长, 光源与照明工程系主任, 刘木清教授 Chairman: Prof. Muqing Liu, Fudan University; Dept. of Light Sources and Illuminating Engineering Institute for Electric Light Sources		
13:15-13:45	待定 TBA	Philips Lumileds Lighting Company, 周学军, 亚洲区市场总监 Philips Lumileds Lighting Company, Sean Zhou, Regional Marketing Director - Asia
13:45-14:15	LED照明在汽车中的应用 Automotive LED lighting	安森美半导体, 张青, 高级经理 ON Semiconductor, Qing Zhang, Senior Manager
14:15-14:45	LED照明元器件设计解决方案 Components design solution on LED lighting	村田电子贸易(上海)有限公司, 沈晓鹤, 高级产品工程师 Murata, Enger Shen, Senior Product Engineer
14:45-15:15	泰克LED驱动电源测试解决方案 Tektronix LED drive power test solution	泰克科技(中国)有限公司, 陈鑫磊, 行业渠道业务开发经理 Tektronix, Xinlei Chen, Business Development Manager
15:15-15:45	Speed-up your design cycle with online tools	e络盟, 麦子峰, 亚太区部门业务拓展经理 element14, James Mak, Vertical Strategy Manager, Asia Pacific
15:45-16:15	基于复合曲面聚集器的LED光通量测试方法研究	复旦大学电光源研究所所长, 光源与照明工程系主任, 刘木清教授 Fudan University, Prof. Muqing Liu, Dept. of Light Sources and Illuminating Engineering Institute for Electric Light Sources

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名师名企 | Speaker Team



刘木清 教授 | Prof. Muqing Liu
复旦大学电光源研究所所长, 光源与照明工程系主任
Fudan University; Dept. of Light Sources and Illuminating Engineering
Institute for Electric Light Sources; Academic committee of Chinese
National LED Program



1988年从浙江大学光仪系硕士毕业后即进入复旦大学从事教学和科研工作。国际电光源会议委员, 第十一届国际电光源会议本地委员会秘书长, 中国照明学会理事, 上海照明电器协会副理事长。讲授过照明自动控制技术, 电光源测量, 现代光电测试技术等课程。研究方向包括电光源测试技术与仪器、照明自动控制技术与系统开发、LED驱动设计、光学设计等。曾完成上海市科技攻关项目, 国际合作项目、国内合作项目等数十项。曾获得上海市科技进步奖、优秀发明奖等多项。拥有电子镇流器测试仪, 手持式光谱仪, LED显示屏显示单元罩壳结构, 数字控制电子镇流器, 一种0.7~1.7微米波段的近红外光谱仪等八项专利。曾于1998年~1999年在德国Konstanz大学访问。发表论文二十余篇。



程玉华教授, 博士生导师 | Yuhua Cheng, Ph.D.,
北京大学上海微电子研究院院长 | Shanghai Research Institute of
Microelectronics, Peking University



【演讲题目】智能绿色LED照明技术与应用
【Presentation】 Smart & green LED lighting technologies and applications

1989年于清华大学获得博士学位, 1990年进入北京大学做博士后研究, 完成两年科学研究后留校, 任副教授, 1995年受邀赴美国加州伯克利大学担任BSIM3V3项目负责人。1996年该项目取得重大突破, 被评为年度世界100项重大科研成果之一, 被美国电子工业协会定为行业标准。2006年回到北大任职。程玉华多年来在国外一直致力于集成电路建模、EDA、电路设计及SOC技术平台有关研究工作, 取得多项成果。近年来发表文章130余篇, 申请发明专利30余项, 出版英文专著两部。曾数十次受邀在国际会议上做特约报告, 多次被哈佛大学、麻省理工学院、加州伯克利大学、华盛顿大学等十多所美国著名大学邀请前往做专题讲座。其所开发的BSIM3v3已被用于Cadence, Synopsys, Mentor Graphics, Agilent等电路设计软件中, 并被全球几乎所有集成电路制造和设计公司应用。程玉华的研究领域主要是模拟/射频集成电路设计和系统集成技术开发。



Scott Han
电源管理部门高级工程师 | Senior Application Engineer of Power management
意法半导体 | STMicroelectronics



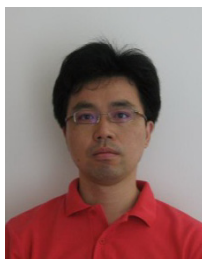
【Abstract】 HVLED815 combines a high-performance low-voltage PWM controller chip, an 800 V avalanche rugged power MOSFET and moreover enabling high power factor (>0.90). The PWM chip is a quasi-resonant (QR) current mode controller IC. The device provides constant output current (CC) regulation using primary sensing feedback. This eliminates the need for the optocoupler, the secondary voltage reference, and also the current sensor, which impacts the cost, the compactness and the lifetime of the application while still maintaining quite accurate regulation. The device can provide a constant output voltage regulation (CV). This makes the application able to work safely when the LED string opens due to a failure.



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名师名企 | Speaker Team



陈立烽 | Albert Chen
技术副经理 | Assistant Field Application Manager
飞兆半导体公司 | Fairchild Semiconductor



【演讲题目】低功率LED照明的趋势与解决方案
【Presentation】 Low power LED lighting trend & solution

陈立烽在2002年和2005年分别获得浙江大学电力电子的学士和硕士学位。他现在在飞兆半导体上海有限公司担任技术应用副经理职务。他负责飞兆半导体产品在诸如电源、照明和工业上的应用。

Albert Chen received the B.S. and M.S. degrees in power electronics from Zhejiang University, in 2002 and 2005, respectively. He is currently working for Fairchild Semiconductor in Shanghai, PR China as an assistant field application manager. He is responsible for the Fairchild products in power supply, lighting application and industrial application.

【摘要】介绍低功率LED照明应用和讲解市场趋势，并指出相关的设计困难挑战。演示同时介绍如何利用飞兆半导体解决方案来解决技术困难并满足市场趋势要求。

【Abstract】 Introduce the Low power LED lighting application and forecast market trend with review on design challenges. Describe the way to overcome the challenge and trend with Fairchild solution.



沈晓鹤 | Enger Shen
高级产品工程师 | Senior Product Engineer
村田电子贸易(上海)有限公司
Murata Electronics Trading (Shanghai) Co., Ltd.



【演讲题目】LED照明元器件设计解决方案
【Presentation】 Components design solution on LED lighting

2002年毕业于自动控制专业，06年加入村田公司，一直从事EMI产品的市场推广和技术支持工作，对于EMI产品的市场发展趋势和技术发展方向有着深刻的了解。

在EMI产品的工程师岗位任职多年，凭借对EMI元件，电感元件的深刻认识和对EMI的测试和整改的丰富经验，致力于为客户提供最好的解决方案和服务。

After graduated Automatic Control Major in 2002, Enger Shen joined Murata in 2006. After joined Murata, as EMC specialist, provides several kinds of solution to the customers and, has been solving EMC problems on the several kinds of electronics applications.

Based on the great experience of EMC, providing best component solution to the electronics field, not only for customer but also the institutes and associations.

【摘要】基于节能降耗的理念，照明应用的LED设计方案正越来越受到人们的关注。高效率，长寿命，EMC对策，小型化以及过热解决方案将成为LED灯具设计中的重中之重。作为LED照明领域被动元器件供应商的领头羊，村田将以这次论坛为平台，针对AC电源线滤波器的小型化，EMC对策技术以及LED过热解决方案等，竭诚提供多种元器件设计方案。

【Abstract】 Based on the interest in energy saving, LED solution has been growing on the lighting applications year by year and, higher efficiency, longer life time, EMC countermeasure, miniaturization with overheat solution would become the center of attention in LED Lighting design.

As a leader of passive component supplier on LED lighting field, we provide several component solutions on this forum, especially for Miniaturization of AC line filter, EMC countermeasure, Overheat solution, etc..

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名师名企 | Speaker Team



林铁 | Tie Lin
中国市场推广部总监 | Director of China Marketing Communications
上海科锐光电发展有限公司 | Cree Shanghai Opto Development Limited



【演讲题目】引领变革，加快启动LED照明应用
【Presentation】 Leading revolution and accelerate LED lighting adoption

林铁先生于2010年1月加入上海科锐光电发展有限公司，现任中国市场推广部总监。此前，他曾先后任职于中国科学院半导体研究所负责半导体制造工艺和国家半导体照明工程研发及产业联盟负责国际合作事务。林先生于2004年获得英国伦敦大学玛丽女王学院（Queen Mary, University of London）材料学工学硕士学位。Mr. Lin is currently the Director of China Marketing Communications of Cree Shanghai Opto Development Limited. He joined Cree since January 2010. Prior to joining Cree, he was with the Institute of Semiconductors, Chinese Academy of Sciences and China Solid State Lighting Alliance and responsible for semiconductor processing and international operations respectively. Mr. Lin received the Master Degree of Engineering in Materials from Queen Mary, University of London in the United Kingdom in 2004.



张青 | Qing Zhang
高级经理 | Senior Manager
安森美半导体 | ON Semiconductor



【演讲题目】LED照明在汽车中的应用
【Presentation】 Automotive LED lighting

Qing Zhang is ON Semiconductor Sr Manager of Automotive Solutions Engineering Center in China, responsible for driving development of advanced energy efficient solutions for a variety of automotive applications as well as providing on-site technical expertise to customers. He has over 20 years of experience in power electronics and motor driver applications including inverters, UPS, and PMSM and BLDC motor drivers; as well as in-depth experience in semiconductor industry especially in system solution development for automotive and industrial applications. Mr. Zhang holds a master's degree of engineering in Power Electronics and Motor Drivers from the Huazhong University of Science and Technology in China, and a master's degree of engineering in Power Electronics from the National University of Singapore.

【摘要】LED在汽车照明中的应用越来越广泛，从早期的室内照明、高位刹车灯、尾灯，到现在最新的LED头灯，其市场前景非常广阔。安森美半导体一直致力于汽车半导体的设计、生产，有着丰富的LED驱动方案。本次研讨会将与大家分享一下安森美半导体在汽车LED前大灯，室内照明以及LED尾灯中的方案。



陈鑫磊 | Xinlei Chen
行业渠道业务开发经理 | Business Development Manager
泰克科技（中国）有限公司 | Tektronix (China) Co., Ltd.



【演讲题目】泰克LED驱动电源测试解决方案
【Presentation】 Tektronix LED drive power test solution

现任泰克公司中国区行业渠道电力电子开发经理，负责行业战略、市场与渠道业务发展及相关电力电子测量方案与产品推广。毕业于太原理工大学机电一体化专业，有多年的仪器仪表行业从业经验，熟悉行业中各品牌的测量仪器与应用，尤其在电能质量，嵌入式系统，数据采集等行业有丰富的实测经验。

【摘要】对于电源工程师来说，在设计过程中需要应对无数电源性能分析及测试难题，例如：LED驱动电源测试，变频驱动测试，效率问题、操作问题等，泰克公司的工程师在本演讲将着重介绍如何解决如下疑难杂症，助您轻松应对LED驱动电源测试。

- LED驱动电源的特点与发展趋势
- LED驱动电源设计测试需求
- 泰克LED驱动电源测试方案的特点
 - o 电流纹波测试
 - o PWM调光测试



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名师名企 | Speaker Team



麦子峰 | James Mak
亚太区部门业务拓展经理 | Vertical Strategy Manager, Asia Pacific
e络盟 | element14



【Presentation】 Speed-up your design cycle with online tools

麦子峰先生现任element14亚太区部门业务拓展经理，主要负责Premier Farnell集团全球部门产品（包括LED照明和新能源产品）战略在亚太区的管理与执行工作，以拓展相关业务，e络盟母公司element14隶属于全球领先的小批量电子元器件现货分销商Premier Farnell集团，Premier Farnell通过多渠道营运为数以百万计的工程师和采购专家提供在世界范围内逾3,500多家制造商品牌。

麦子峰先生此前担任element14亚太区供应商业务经理一职，主要致力于通过多渠道的市场营销平台，与供应商合作伙伴一起推动亚太区线上和线下业务的拓展工作。在加入element14之前，麦子峰先生曾在不同的知名电子分销商处任职长达10年，先后担任过应用工程师、产品经理、市场部经理等职位。

麦子峰先生拥有加拿大卡尔加里大学（University of Calgary）的电子工程学以及经济学双学士学位。目前定居在香港。



韩雄文 | Simon Han
销售经理 | Sales Manager
RECOM



【演讲题目】高可靠性SSL设计实用指南
【Presentation】 High reliability SSL design - a practical guide

现任RECOM销售经理，负责市场战略，渠道业务发展以及产品推广，有多年的电子行业从业经验，熟悉行业中各品牌的产品与应用。

Currently, works as the RECOM sales manager, is responsible for market strategy, channel business development and product promotion. he has years of experience in the electronics industry, and is familiar with the products and applications of various brands in the industry.