

# 华人学者管理科学与工程协会第八次国际年会



中国·东北大学工业工程与物流优化研究所

2015年7月25日-27日 <http://ielo.neu.edu.cn/>



## 主办单位

- 华人学者管理科学与工程协会

## 承办单位

- 东北大学工业工程与物流优化研究所

## 协办单位

- 美国哥伦比亚大学中国企业研究中心

## 学术委员会

- |                                 |            |
|---------------------------------|------------|
| • Cachon, Gerard P. (前MS主编)     | 宾夕法尼亚大学    |
| • 柴天佑 (院士)                      | 东北大学       |
| • 陈方若 (主席)                      | 哥伦比亚大学     |
| • 陈剑                            | 清华大学       |
| • 陈蓉                            | 加州大学戴维斯分校  |
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| • 唐立新(联合主席)                     | 东北大学       |
| • 杨善林(院士)                       | 合肥工业大学     |
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| • 张付强                           | 圣路易斯华盛顿大学  |
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| • 张维                            | 天津大学       |
| • 赵继(校长)                        | 东北大学       |
| • 赵先德                           | 中欧国际工商学院   |
| • Zheng, Shaohui                | 香港科技大学     |
| • 郑渝生                           | 长江商学院      |
| • Zhou, Yong-Pin                | 华盛顿大学西雅图分校 |
| • Zipkin, Paul                  | 杜克大学       |

## 组织委员会

### 主席:

- |     |    |                  |
|-----|----|------------------|
| 陈方若 | 教授 | 哥伦比亚大学           |
| 唐立新 | 教授 | 东北大学工业工程与物流优化研究所 |

### 委员:

- |     |    |                  |
|-----|----|------------------|
| 薛梅  | 博士 | 美国波士顿学院          |
| 赵任  | 博士 | 东北大学工业工程与物流优化研究所 |
| 杨阳  | 博士 | 东北大学工业工程与物流优化研究所 |
| 何龙飞 | 博士 | 天津大学             |

## 重要日期

- 投稿截止日期: 2015年6月30日
- 会议报到日期: 2015年7月24日
- 大会日期: 2015年7月25-27日

## 联系我们

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## 征文通知

华人学者管理科学与工程协会(The Chinese Scholars Association for Management Science and Engineering (CSAMSE))第八次国际年会将于2015年7月25日-7月27日在辽宁沈阳召开,7月24日报到。本次会议由CSAMSE创始主席陈方若教授担任大会主席,东北大学工业工程与物流优化研究所所长唐立新教授担任联合主席。

本次年会主题为“**大数据与工业实践Big Data and Industrial Practice**”。将讨论如何利用大数据来解决生产与运作管理问题以及运作管理在工业实践中的应用。我们诚邀管理科学与工程领域的海内外专家学者参加会议,并欢迎投稿、参与优秀论文奖大赛的评选。

## 征文范围(不限于)

### 运作管理

- 物流运作与管理
- 博弈论
- 制造运营管理
- 制造战略
- 行为运筹学
- 行为运作管理
- 风险管理
- 生产与质量管理
- 服务运营管理
- 产品质量和安全管理
- 医疗卫生管理
- 商业分析
- 收益管理

### 最优化理论与方法

- 连续数学最优化
- 整数与组合最优化
- 排队论
- 凸优化
- 计算智能优化方法
- 随机模型和服务
- **供应链计划与调度**
- 智能工厂全流程生产与物流计划
- 生产与物流批调度
- 智能工厂的过程数据解析与优化
- 物流与供应链管理
- 库存计划与控制
- 制造系统的可持续调度
- 可持续供应链管理

### 大数据

- 大数据管理
- 数据解析与机器学习
- 大数据决策
- 大数据应用
- **仿真与工业实践**
- 工业工程
- 信息系统和决策支持系统
- 运作管理在钢铁行业中的应用
- 运作管理在石化行业中的应用
- 运作管理在有色行业中的应用
- 港口、航空物流运作管理
- 运作管理在矿业行业中的应用
- 能源和智能电网调度
- 电子商务中的物流管理

## 会议特色

### ➤ 本届会议应邀作大会主旨报告的教授为:

- 麻省理工学院讲座教授、*Operations Research (OR)* 期刊上届主编**David Simchi-Levi**教授,报告主题: 运筹优化的前沿问题;
- 加州大学洛杉矶分校特聘教授、*Manufacturing & Service Operations Management (M&SOM)* 现任主编**Christopher Tang**教授,报告主题: 运作管理的前沿问题;
- 哥伦比亚大学数据科学研究所所长**Kathleen McKeown**教授,报告主题: 大数据前沿问题;
- 国家自然科学基金委管理学部**冯芷艳**处长,报告主题: 运作管理、物流与供应链管理领域的国家重大需求及国家基金有关政策。

### ➤ 本届年会,围绕会议主题,开展**特色论坛**如下:

- **前沿论坛:** 由来自美国的Johns Hopkins University、Washington University in St. Louis、Georgetown University、University of Southern California、加拿大的University of Toronto等国际多所著名大学**知名学者**围绕运作管理与大数据相关主题,组成15个前沿论坛;
- **杰青&优青论坛:** 由来自国内著名大学,近年来获得“**杰青&优青**”的部分学者围绕大数据与运作管理主题,组成多个杰青&优青论坛;
- **工业实践论坛:** 来自国内钢铁、石化/有色、电力与能源、资源等典型工业与物流系统(港口、航空)著名企业的CEO和运作管理的实践人员围绕会议主题,组成面向4个典型行业的工业和物流系统应用实践论坛;
- **大数据论坛:** 邀请该领域国际知名学者围绕“如何利用**大数据**来解决生产与运作管理问题”这一主题做邀请报告;
- **CSAMSE青年学者论坛:** 邀请*Manufacturing & Service Operations Management (M&SOM)* 现任主编**Christopher Tang**教授,与青年学者探讨在科研过程中可能遇到的问题,讲解如何在国际高水平学术期刊发表SCI论文。

## 投稿论文要求

- 论文摘要及关键字不多于300词;
- 拟参与优秀论文评选的参会者,在提交论文摘要基础上,还须提交论文全文;
- 参加评选的论文必须在年会上宣讲,并在网站注册时注明要参加优秀论文奖评选。除附录外,论文最长不能超过32页;
- 本次年会上所有报告论文的撰写和演讲语言均为英语;
- 拟在大会做报告的与会人员,使用会议注册的账号进行提交论文摘要和全文,会议网址<http://ielo.neu.edu.cn/CSAMSE>。

# The 8<sup>th</sup> International Annual Conference of Chinese Scholars Association for Management Science and Engineering

Institute of Industrial Engineering & Logistics Optimization, Northeastern University, China



July 25-27, 2015 <http://ielo.neu.edu.cn/>



## About CSAMSE 2015

The 8<sup>th</sup> international annual conference of the Chinese scholars Association for Management Science and Engineering (CSAMSE) will be held on July 25-27, 2015, at Institute of Industrial Engineering & Logistics Optimization, Northeastern University, China. The theme of CSAMSE 2015 is **Big Data and Industrial Practice**. In this meeting, we will discuss and share findings on how to better combine data, information technology and optimization instruments to help the industrial enterprise improve their levels of production and operations management, and ultimately enhance their competitiveness.

### > Keynote speeches:

- Dr. David Simchi-Levi, the professor of Civil and Environmental Engineering and Engineering Systems at Massachusetts Institute of Technology (MIT) & the former Editor-in-Chief of *Operations Research (OR)*, is invited to give keynote speech on frontier issues of Logistics optimization ;
- Dr. Christopher Tang, the Editor-in-Chief of *Manufacturing & Service Operations Management (M&SOM)*, the Distinguished Professor of University of California, Los Angeles, is invited to give keynote speech on frontier issues of Operation Management;
- Dr. Kathleen McKeown, the Director of the Institute for Data Sciences and Engineering at Columbia University, is invited to give keynote speech on frontier issues in the research area of big data ;
- Mrs. Feng, zhiyan, the leadership of the Management Science Department of the National Natural Science Foundation of China, will be invited to introduce the funding policies in the areas of operations management, supply chain, logistics management and so on, and give some advice on the applications.

### > Invited sessions:

- Some famous scholars from famous universities (e.g. Johns Hopkins University, Washington University in St. Louis, Georgetown University, University of Southern California, University of California Davis, University of Toronto, etc.) of USA and Canada has been invited to organize 15 invited sessions;
- A part of NSFC Distinguished Young Scholars and NSFC Excellent Young Scholars awarded in recent years has been invited to organize several invited sessions;
- The CEOs of well-known enterprises from the manufacturing, energy, resources and other industries will comprise 4 invited sessions on operations management in industrial practice.
- Some famous scholars in the related area are invited to give speeches about "How to solve production and operation management problem by Big Data".
- Dr. Christopher Tang, the Editor-in-Chief of *Manufacturing & Service Operations Management (M&SOM)*, is invited to discuss with young scholars about how to do research and publish papers in top international journals.

All papers related to theoretical developments and applications of Management Science and Engineering are welcome. Topics could include (but are not limited to) areas such as the following:

## TOPICS OF INTEREST

### Operations and Management

Logistics Operation and Management  
Game Theory  
Manufacturing Operations Management  
Manufacturing Strategy  
Behavioral Operations Research  
Behavioral Operations Management  
Risk management  
Productivity and Quality Management  
Services Operations Management  
Product Quality and Safety Issues  
Healthcare Management  
Business Analytics  
Revenue Management

### Big Data

Big Data Management  
Data Analytics and Machine Learning  
Big Data and Decision Making  
Big Data Applications

### Optimization Theory and Method

Continuous Mathematical Optimization  
Integer and Combinational Optimization  
Computational Intelligence Optimization  
Stochastic Models and services  
Queueing Theory  
Convex Optimization  
**Supply Chain Planning and Scheduling**  
Plant-wide Production and Logistics Planning for Smart Industry  
Production and Logistics Batching and Scheduling  
Inventory Planning and Control  
Operations Analytics and Optimization for Smart Industry  
Logistics and Supply Chain Management  
Inventory Planning and Control  
Sustainable Scheduling of Manufacturing and System  
Sustainable Supply Chain Operations

### Simulation and Application

Industrial Engineering  
Information System and Decision Support System  
Production and Operations Management in Steel Industry  
Production and Operations Management in Petroleum- Chemical Industry  
Production and Operations Management in Nonferrous Industry  
Logistics Operation and Management in Port and Aviation Enterprise  
Production and Operations Management in Energy Industry  
Production and Operations Management in Resource Industry  
Logistics Management of E-commerce

## SUBMISSION OF ABSTRACTS:

All attendees planning to make a presentation at the conference should submit an abstract. To enter the Best Paper Award competition, please indicate that and submit an abstract as well as the full paper (up to 32pages). The official language of the conference is English. Submission of abstract/full paper can be made through the website: <http://ielo.neu.edu.cn/CSAMSE>

## Organizers:

The Chinese Scholars Association for Management Science and Engineering

## Sponsors:

Institute of Industrial Engineering & Logistics Optimization, Northeastern University  
China Business Initiative, The Jerome A. Chazen Institute of International Business

## The Organizing Committee:

Chen, Fangruo (Chair)	Columbia University
Tang, Lixin (Co-Chair)	Northeastern University
Xue, Mei (Ph.D.)	Boston College
Zhao, Ren (Ph.D.)	Northeastern University
Yang, Yang (Ph.D.)	Northeastern University
He, Longfei (Ph.D.)	Tianjin University

## IMPORTANT DEADLINES:

Abstract/Full paper submission:	June 30,	2015
On-site registration:	July 24,	2015
Conference:	July 25-27,	2015

## Conference Secretariat :

Institute of Industrial Engineering & Logistics Optimization, Northeastern University

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## The Program Committee:

Cachon, Gerard P.	University of Pennsylvania
Chai, Tianyou	Northeastern University
Chen, Fangruo (Chair)	Columbia University
Chen, Jian	Tsinghua University
Chen, Rachel	University of California at Davis
Fisher, Marshall L.	University of Pennsylvania
Gao, Ziyou	Beijing Jiaotong University
Graves, Stephen C.	Massachusetts Institute of Technology
Guo, Xiaochuan	Inner Mongolia University
Ho, Teck	University of California, Berkeley
Li, Yijun	National Natural Science Foundation of China
Liu Jianchang	Northeastern University
Pinedo, Michael L.	New York University
Raman, Ananth	Harvard University
Singhal, Kalyan	University of Baltimore
Song, Jeannette	Duke University
Steinberg, Richard	London School of Economics
Tang, Lixin (co-chair)	Northeastern University
Yang, Shanlin	HeFei University of Technology
Yao, David D.	Columbia University
Zhang, Fuqiang	Washington University in St. Louis
Zhang, Hanqin	National University of Singapore
Zhang, Wei	Tianjin University
Zhao Ji	Northeastern University
Zhao, Xiande	CEIBS
Zheng, Shaohui	HKUST
Zheng, Yusheng	Cheung Kong Graduate School of Business
Zhou, Yong-Pin	University of Washington at Seattle
Zipkin, Paul	Duke University