

中国航空学会文件

中航学字〔2022〕19号

中国航空学会关于第十三届国际复杂系统设计 与管理会议（CSD&M 2022）征文的通知

各有关单位及个人：

第十三届国际复杂系统设计与管理会议（CSD&M 2022）将于2022年12月15-16日在法国巴黎以线上线下结合的形式召开。该会议由系思迈系统架构协会（CESAMES）与中国航空学会联合主办，由中国宇航学会、中国电工技术学会、中国造船工程学会、中国电子学会、中国仪器仪表学会、中国兵工学会等单位支持举办。

复杂系统设计与管理 (CSD&M) 会议旨在为院校研究人员、工业和政府工作人员提供一个全球化的开放性平台，以展示和交流该领域的创新成果和优秀实践案例。会议的语言为英语。

会议已开始征集论文和案例，现将有关事项通知如下：

一、主题与范围

科技方面：系统基础、需求工程、系统架构/设计定义、基于模型的系统工程、人-系统集成、信息管理、项目规划/评估、系统度量、系统属性、系统分析工具。

系统类型：产品服务系统工程、嵌入式系统、运输系统、软件系统、信息系统、体系、人工生态系统。

二、重要时间节点（巴黎时间 GMT+1）

论文提交截止至：2022 年 5 月 13 日

论文录用结果公布：2022 年 7 月 1 日

终稿提交：2022 年 7 月 22 日

三、提交方式与要求

会议同时征集学术论文全文/详细摘要和行业实践案例。

关于工业/政府部门优秀做法、经验或者案例，请提交 12 页以内的 word 文档或者 15 页以内的 PPT 文档；

关于学术论文（创新、方法、技术/工业或科学成果），请提交 12 页以内 Word 或 Latex 格式文档。

以上均请登录会议官网
<https://cesam.community/csdm-paris-2022/>查询具体要求后在线提交。书写语言为英语。

四、出版与索引

每篇论文至少由两位专家进行同行评审，经评审被录用的文章将出版在 Springer-Verlag 论文集中，收录至 DBLP 数据库（权威数据库，会议论文从 IEEE CS, ACM, Springer 等挑选收入）。论文被录用的作者须参会交流，并将安排 20 分钟宣读交流；仅提交详细摘要者，只能作海报交流。

五、大会委员会

大会主席：

KROB Daniel CESAMES 主席 法国

学术委员会主席：

Claude Baron 国家应用科学研究所 (INSA) 法国

工业委员会主席：

Marco Ferrogalini 空客公司 法国

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姚俊臣 中国航空学会秘书长 中国

Gauthier Fanmuy 达索系统 法国

部分组委会成员（完整名单见附件）

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中国仪器仪表学会 张建副秘书长 中国

中国兵工学会 瞿雁冰副秘书长 中国

六、联系方式

关于投稿、录用、宣读与出版, 请联系

Mr. Christophe TILMONT (CESAMES) :

contact@csdm.fr, +33 763 188 549;

关于参会与赞助, 请联系崔芷健 (中国航空学会) :

cuizj@csaa.org.cn; 电话 010-84924317

更多详情, 请查询附件会议宣传资料以及官网。

附件: 1、CSD&M 2022 – General Presentation

2、Call For Papers



中国航空学会

2022年3月21日印发

联系人: 崔芷健 电话: 01084924317

共印 100 份

CSD&M 2022

General Presentation

13th International Conference
Complex Systems Design & Management

15-16 December 2022 in Paris France

Hybrid Event: Online & On-site

Introduction



Daniel KROB

Creator and General Chair of CSD&M
Institute professor, Ecole Polytechnique
President of CESAMES
INCOSE Fellow

The 13th edition of the international conference «Complex System Design & Management» (CSD&M 2022) will take place next December 15-16 in Paris.

CSD&M was created in France in 2010 by **Prof. Daniel KROB** and has been organized every year by the French non-profit organization **CESAMES**, with guidance & support of the Dassault Aviation – DCNS – DGA – Thales « Complex Systems Engineering » industrial chair of Ecole Polytechnique;

CSD&M is now one of the key event of the system engineering community in Europe and Asia. The Complex Systems Design & Management (CSD&M) conference is an international academic-industrial-governmental transversal forum for all actors working on complex industrial systems.

The conference gathers the main academic, governmental and industrial actors, CSD&M is one of the few places where you can talk about industrial complex systems in as broad a manner as possible (methods, tools, sciences, business cases...).

CSD&M 2022 will be held on 2 days with a hybrid format: virtual and in-person. Speakers, partners, academics and industrial participants will have numerous opportunities to exchange.

Committees of the CSD&M 2022



General Chair of the CSD&M 2022:
Daniel KROB
CESAMES
France

ORGANIZING COMMITTEE (OC)



OC Co-Chair:
Gauthier FANMUY
Dassault Systèmes
France



OC Co-Chair:
Junchen YAO
CSAA
China

PROGRAM COMMITTEES (PC)



Academic PC Co-Chair:
Claude BARON
National Institute of Applied Sciences (INSA)
France



Industrial PC Co-Chair:
Marco FERROGALILNI
Airbus
France

Organizing Committee Members 1/2

Name	Company	Country
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BOURGUIGNON Philippe	ECOTRAIN	FR
BOY Guy-André	Flexech Chair Professor	FR
CAO Xueqin	Chinese Institute of Electronics	CN
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DOUFENE Abdelkrim	IRT SYSTEM X	FR
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GAUTIER Pierre-Etienne	SNCF	FR
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HAN Yi	China Electro technical Society (CES)	CN
JEAN-MARIUS Thierry	ARIANE GROUP	FR
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Organizing Committee Members 2/2

Name	Company	Country
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WANG Junli	Chinese Society of Naval Architects and Marine Engineers (CSNAME)	CN
WANG Yiran	Chinese Society of Astronautics (CSA)	CN
ZHANG Jian	China Instrument and Control Society (CIS)	CN

Academic Program Committee Members

Name	Title	Country
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DE WECK Olivier	Apollo Program Professor of Astronautics and Engineering Systems	US
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NANCY Leveson	Professor	US
RAUZY Antoine	Professor	FR
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Name	Company	Country
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GUILLERMO CHALE Hugo	Thales	FR
LORGEOUX Didier	Dassault Systemes	FR
MURNIN Tim	Amazon	US

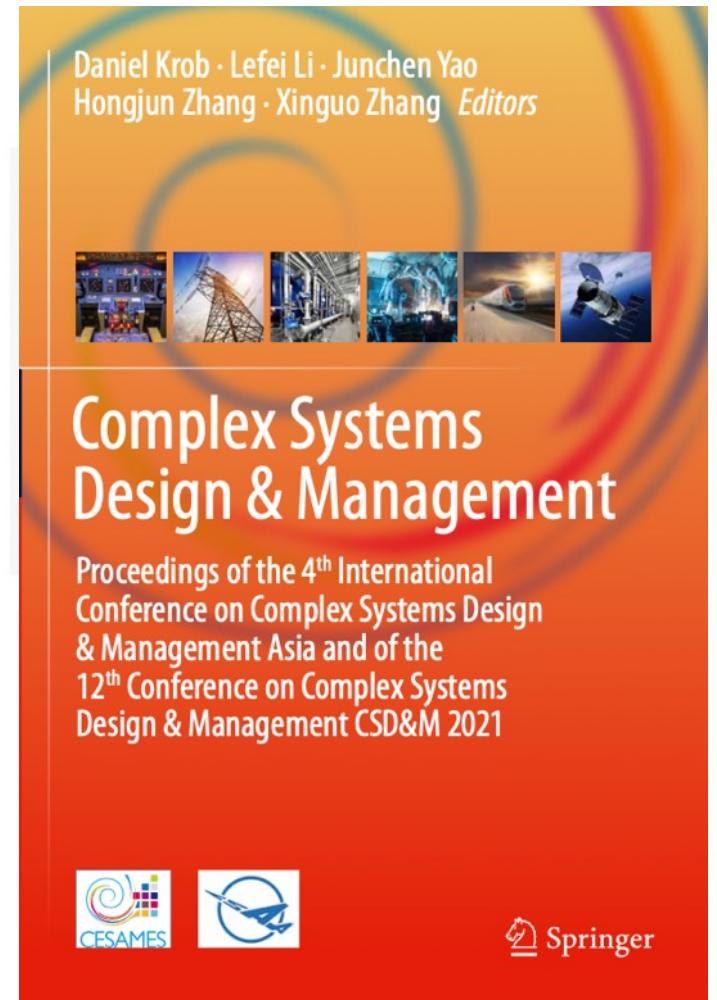
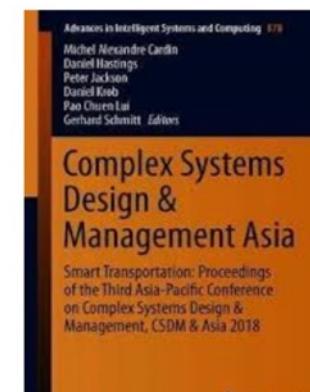
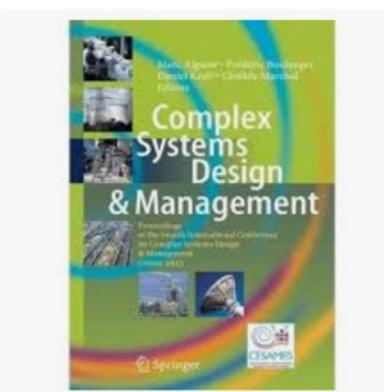
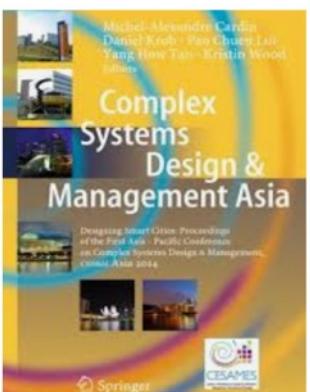
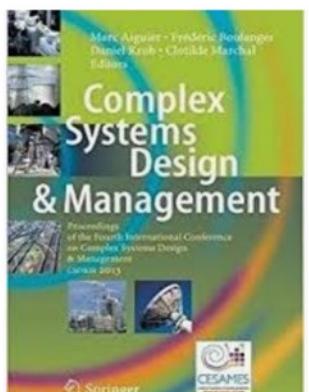
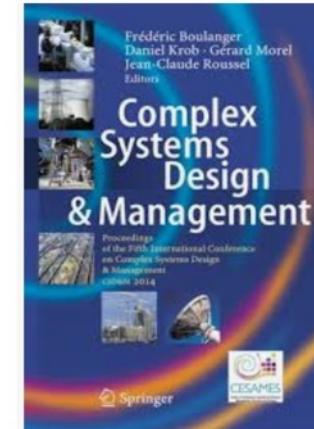
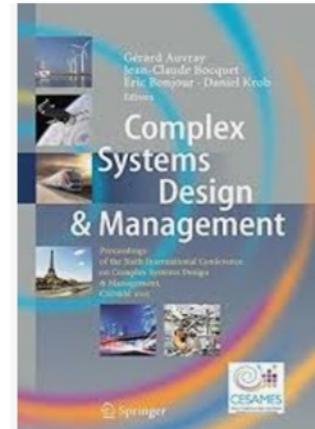
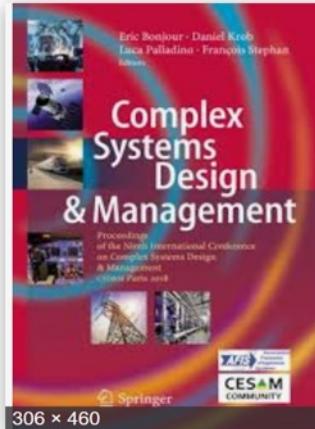
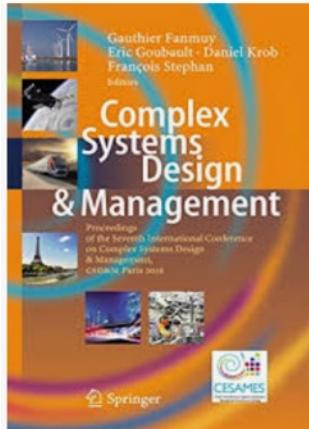
CSD&M Conference Scope

The conference ***“Complex Systems Design & Management” (CSD&M)*** is the International meeting point for academic researchers, industrial and governmental players working on complex industrial systems architecture & engineering and **interested in Model-Based Systems Engineering**. This event gives the opportunity to present and learn about innovative, methodological and technical results or good practices, feedbacks and professional case studies on industry, sciences and systems types.

Industrial Domains	Scientific & Technical Topics
<ul style="list-style-type: none">- Aerospace- Automotive- Communications & E-services- Defense & Security- Electronics & Robotics- Energy & Environment- Healthcare & Welfare services- High-Tech- Logistics & Supply chain- Ship & Transportation- Software industry- Urban & Public infrastructures	<ul style="list-style-type: none">- Systems fundamentals- Systems architecture & Engineering- Model-Based Systems Engineering- Big-data for industrial applications- Systems manufacturing- Systems Modeling & Simulation- System optimization- System project management- Systems safety- Systems serviceability- Systems Technology & Policy

CSD&M Publication Policy

The proceedings of CSD&M are published by Springer Verlag in dedicated book series, and referenced & indexed in DBLP, EI Compendex, ISI Clarivate and Scopus, examples below:



CSD&M Partners & Participants

CSD&M

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 **MBDA**
MISSILE SYSTEMS

 **Schneider**
Electric

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 **MINNESOTA**
UNIVERSITY OF

 **IDEAMIA**

 **YAMAHA**

CSD&M Program

CSD&M

2 days in Paris in hybrid format, to exchange about societal & industrial challenges and scientific & methodological state of the art in the field of systems modelling and management.

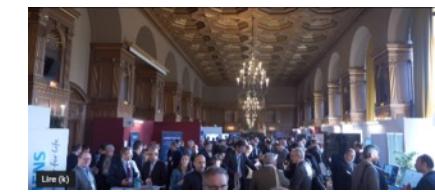
Keynotes presentations in plenary session, pitch startups, thematic and sectoral tracks and numerous teams selected to present their academic and professional works

One Poster Session to promote some work in progress and discuss on topics related to complex systems

More than 300 international attendees (academics, industrials, french and international), main actors of the international systems engineering community, at the heart of your sales target

Demonstrations and booths to present offers, services and the latest technological news

Numerous opportunities for networking





Christophe TILMONT

VP Marketing & Communication
christophe.tilmont@cesames.net

+33 763 188 549

Wechat: ctilmont

IMPORTANT DATES - CSD&M 2022

Conference dates: 15-16 December 2022

Conference venue: Online & On-site (address to come)

Conference contact: contact@csdm.fr

Conference Call for Papers:

- Abstract submission (optional): 25 March 2022
- Submission deadline: 13 May 2022
- Submission link:

<https://cesam.community/en/csdm-paris-2022/call-for-papers/>



CALL FOR PAPERS

13th international Conference on Complex Systems Design & Management

The conference “**Complex Systems Design & Management**” (CSD&M) is THE International meeting point for academic researchers, industrial and governmental players working on complex industrial systems architecture & engineering. This event gives the opportunity to present and learn about innovative, methodological and technical results or good practices, feedbacks and professional case studies on industry, sciences and systems types.

SUBMISSION FORMAT

Submissions must be written in English and have to be submitted through our electronic submission system EasyChair.

- Industrial/governmental (good practices, shared experiences & professional case studies): 12-page Word or 15-slide PPT.
- Academic (innovative, methodological, technical/industrial or scientific results): 12-page Word or Latex.

PROGRAM COMMITTEE

2 Co-Chairs and 18 members:

- Academic Program Committee Chair: **Claude Baron, National Institute of Applied Sciences (INSA), France**
- Industrial Program Committee Chair: **Marco Ferrogalini, Airbus, France**

IMPORTANT DATES

Paper submission: May 13, 2022
Results announcement: July 1, 2022
Final version: July 22, 2022

PUBLICATION

All selected papers will be published (as full article for 20-min talk papers & as abstract for poster papers) in the Springer-Verlag Proceedings and in the bdlp bibliography.

CONFERENCE TOPICS

- Scientific and technical topics:** Systems fundamentals, requirements engineering, systems architecture / design definition, MBSE, Human-Systems Integration, Information Management, Project planning / assessment, Systems metrics, Systems properties, Systems analysis tools.
- Systems types:** Product-Service Systems Engineering, Embedded systems, Transportation systems, Software systems, Information systems, Systems of systems, Artificial eco-systems.

ORGANIZING COMMITTEE

Co-Chair : **Junchen Yao, CSAA, China**