



张加万 (Zhang Jiawan)



博士、教授、博导, 天津大学国家示范性软件学院副院长

Email: jwzhang (at) tju.edu.cn

[\[English Version\]](#)

个人简介

天津大学教授, 博导, 天津市图象图形学会副理事长, 中国图象图形学学会理事, 中国计算机学会高级会员, IEEE Member、ACM Member。2004年获得天津大学计算机应用技术专业博士, 2001年和1997年获天津大学硕士和学士学位。完成省部级以上项目5项, 取得发明专利10余项、计算机软件著作权10余项、天津市科技发明奖2项、天津市科技进步奖1项、教育部科技成果1项。在国内外期刊和会议发表学术论文70余篇。2005年和2006年连续两次获全球IBM Faculty Award, 2007年被评为天津大学十佳杰出青年(教工), 2008年被评为天津大学教书育人青年标兵, 2011年获Google奖教金、2012年获IBM Faculty Award奖。

主要学术兼职

中国计算机学会高级会员、中国图象图形学学会理事、天津市图象图形学会副理事长、ACM Member、IEEE Member。VRAI 2003组委员会委员、IEEE CGIV 2009程序委员会主席、VINCI' 09、VINCI' 10组委会共同主席、VINCI' 13大会共同主席。

科研项目:

1. 我国线性文化遗产保护及时空可视分析技术研究, 2012年国家社科基金重大项目, 首席科学家
2. 中国木版年画数据库建设及口述史方法论再研究, 2011年度首批国家社科基金重大项目, 课题负责人
3. 世界文化遗产地风险预控关键技术研究及示范项目之课题五: 世界文化遗产地风险管理和决策支持系统研发与集成示范, 十二五国家科技支撑计划重点项目, 2013BAK01B05
4. 国家自然科学基金项目: 网络安全信息可视化的基础理论及关键技术研究, 项目编号: 60673196, 项目负责人
5. 天津市科技支撑计划重点项目: 基于分布式智能/多相机网络的可扩展安防系统, 项目编号:10ZCKFGX00800, 2010.4-2013.3, 项目负责人
6. 天津市自然科学基金项目: 网络安全信息可视化的基础理论及关键技术研究, 项目编号: 07F2030, 项目负责人
7. 国家自然科学基金: 实时体绘制关键技术及支撑体系结构研究, 第一参加人
8. 天津市科技攻关: 医学图象处理系统及医疗诊断信息系统开发, 第一参加人

发明专利:

1. 应用于中国古画修复的多光谱抠图方法, 发明专利: 201110154230.X
2. 基于同心轴多维数据可视化模型检测DDos攻击的方法, 发明专利: 201110168886.7
3. 一种综合结构信息的图像补全方法, 发明专利: 201010152234.X
4. 一种基于多分辨率框架的物体识别检测方法, 发明专利: 201010134143.3
5. 基于拓扑保持的快速行进纤维跟踪方法, 发明专利: 201010160497.5
6. 基于可视化的DDos攻击检测方法, 发明专利: ZL200810154204.5
7. 针对DDos攻击的实时可视化检测方法, 发明专利: ZL200810154205.X
8. 一种抵抗简单电耗攻击的点乘计算方法, 发明专利: 200810154231.2

其他项目:

1. 2005年IBM Eclipse创新基金项目, 负责人
2. 2006年IBM Eclipse创新基金项目, 负责人
3. IBM精品课程《IBM RAD应用开发》, 负责人
4. 微软亚洲研究院精品课程《高等计算机综合实验》, 负责人

研究兴趣:

1. 文化遗产保护与传承信息技术
2. 信息可视化与可视分析
3. 图像与视频处理
4. 图形学和真实感绘制

发表论文&BOOK:

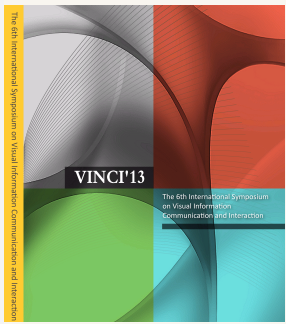
论文类型

论文发表时间

论文题目

- Journal, 2013
- Conference, 2012
- 2011
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005
- 2004
- 2003

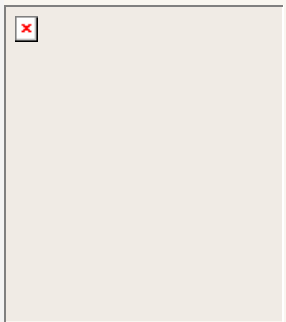
对不起 - 我们找不到任何匹配的论文



VINCI'13 The 6th International Symposium on Visual Information Communication and Interaction

Jiawan Zhang

17-18 August 2013 Tianjin, China



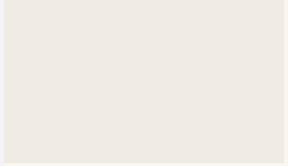
Computer Graphics, Imaging & Visualisation

Ebad Banissi, Muhammad Sarfraz, Jiawan Zhang, Anna Ursyn, Wong Chow

Jeng, Mark W. McK. Bannatyne, Jian J. Zhang, Lim Hwee San, and Mao Lin

Huang

11-14 August 2009 Tianjin, China

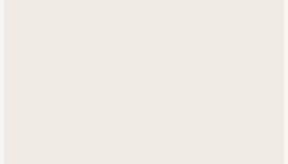


Vis4Heritage: Visual Analytics Approach on Grotto Wall Painting Degradations

Jiawan ZHANG, Kai KANG, Dajian LIU, Ye YUAN and Yanli E

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Cube2Video: Navigate between Cubic Panoramas in Real-Time

Qiang Zhao, Liang Wan, Wei Feng, Tien-Tsin Wong, Jiawan Zhang

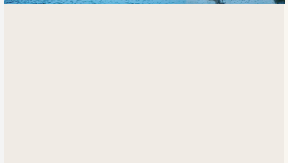
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TabuVis: A tool for visual analytics multidimensional datasets

Nguyen Quang Vinh, Qian Yu, Huang MaoLin & Zhang JiaWan

SCIENCE CHINA Information Sciences , May 2013, Vol.56



StoryWizard: a framework for fast stylized story illustration

Jiawan Zhang, Yukun Hao, Liang Li, Di Sun, Li Yuan

The Visual Computer 28(6-8): 877-887 (2012)



Real-time rendering of deformable heterogeneous translucent objects using multiresolution splatting

Guojun Chen, Pieter Peers, Jiawan Zhang, Xin Tong

The Visual Computer 28(6-8): 701-711 (2012)



Video dehazing with spatial and temporal coherence

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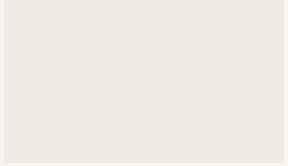
The Visual Computer 27(6-8): 749-757 (2011)



A new concentric-circle visualization of multi-dimensional data and its application in network security

Liang Fu Lu, Jiawan Zhang, Mao Lin Huang, Lei Fu

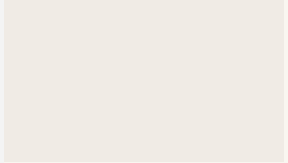
Journal of Visual Languages and Computing, 21(4): 194-208 (2010)



Local albedo-insensitive single image dehazing

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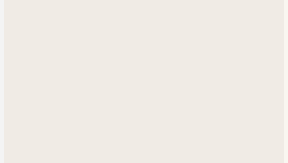
The Visual Computer 26(6-8): 761-768 (2010)



基于拓扑保持的快速行进算法改进

张加万, 杨鹏, 张怡, 米博会

2010, 计算机辅助设计与图形学学报, 第22卷第04期. 729-734

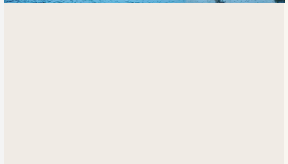


Improvements of Juang et al.'s password-authenticated key agreement scheme using smart cards

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Zhi-Yong

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基于Dividing Rectangles的多模态医学图像配准算法

张加万, 李谭, 孙济洲

2008, 中国图像图形学报, Vol. 13, No. 4: 749-755



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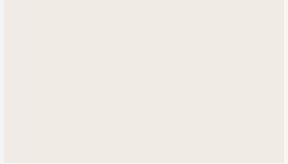
Applied Mathematics and Computation 190(2): 1848-1854 (2007)



Maximum Cohesive Grid of Superpixels for Fast Object Localization

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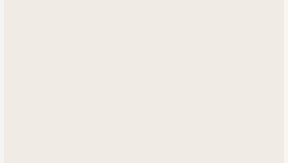
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A Computable Fresco Sketch Generation Framework

Jianing He, Shan Wang, Yi Zhang, Jiawan Zhang

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Recognition of Calligraphy Style based on Global Feature Descriptor

Yi Zhang, Jianing He, Jiawan Zhang

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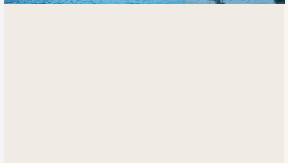


Scalable image co-segmentation using color and covariance features

Shijie Zhang, Wei Feng, Liang Wan, Jiawan Zhang, Jianmin Jiang

21st International Conference on Pattern Recognition(ICPR): 3708-

3711, 2012



Multispectral Image Matting of Ancient Chinese Paintings

Jiawan Zhang, Yi Zhang, Shengping Zhang

Proceedings of Eurographics 2011 ,Area Paper, 9-15



Video motion estimation with temporal coherence

Liang Li, Wei Feng, Jiawan Zhang, Jianmin Jiang

ACM VRCAI 2011 : 315-320



MIFT: A Mirror Reflection Invariant Feature Descriptor

Xiaojie Guo, Xiaochun Cao, Jiawan Zhang, Xuwei Li

The 9th Asian Conference on Computer Vision(ACCV): 536-545,2009



Detecting photographic composites using shadows

Wei Zhang, Xiaochun Cao, Jiawan Zhang, Jigui Zhu, Ping Wang

2009 IEEE International Conference on Multimedia & Expo(ICME):

1042-1045



Detecting photographic composites using two-view geometrical constraints

Wei Zhang, Xiaochun Cao, Zhiyong Feng, Jiawan Zhang, Ping Wang

2009 IEEE International Conference on Multimedia & Expo(ICME):

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Skeletal Texture Synthesis

Pan Gang, Jiawan Zhang, Xiaozhou Zhou, Jizhou Sun

2009 Computer Graphics, Imaging and Visualization(CGIV): 18-23



A Locatable Zero Watermarking Scheme and Visualization for 3D Mesh

Models

Jiawan Zhang, Pan Gang, Jiang Chen, Xiaozhou Zhou

2009 Computer Graphics, Imaging and Visualization(CGIV): 510-515



TreemapBar: Visualizing Additional Dimensions of Data in Bar Chart

Mao Lin Huang, Tze-Haw Huang, Jiawan Zhang

International Conference on Information Visualisation(IV) 2009: 98-



Multi-dimensional Data Visualization using Concentric Coordinates

Jiawan Zhang, Yuan Wen, Quang Vinh Nguyen, Liang Fu Lu, Mao Lin Huang,
Jiadong Yang, Jizhou Sun

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A Novel Visualization Method for Detecting DDoS Network Attacks

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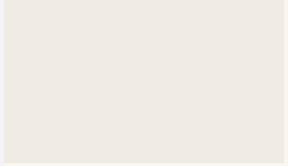
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Texture Advection Based Simulation of Dynamic Cloud Scene

Shiguang Liu, Ruoguan Huang, Zhangye Wang, Qunsheng Peng, Jiawan Zhang,
Jizhou Sun

CAD/Graphics 2007: 144-149



Rendering of Translucent Objects Based Upon PRT Techniques

Jiawan Zhang, Yang Gao, Jizhou Sun, Zhou Jin

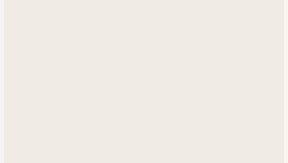
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Improved Boundary and Silhouette Enhancement in Volume Illustration

Qianqian Han, Yang Gao, Jizhou Sun, Jiawan Zhang

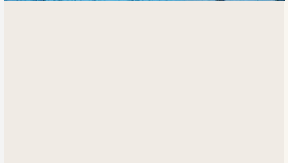
2005 Computer Graphics, Imaging and Visualization(CGIV): 73-78



Accelerating Footprint Method Based on Comparability of Consecutive Image Slices

Jianxun Zhang, Jiawan Zhang, Jizhou Sun

2005 Computer Graphics, Imaging and Visualization(CGIV): 123-126



A Novel Medical Image Registration Method Based on Mutual Information and Genetic Algorithm

Hongying Zhang, Xiaozhou Zhou, Jizhou Sun, Jiawan Zhang

2005 Computer Graphics, Imaging and Visualization(CGIV): 221-226



Adaptive Fuzzy Weighted Average Filter for Synthesized Image

Qing Xu, Liang Ma, Weifang Nie, Peng Li, Jiawan Zhang, Jizhou Sun

2005 International Conference on Computational Science and Its Applications(ICCSA): 292-298



A Dynamic Parallel Volume Rendering Computation Mode Based on Cluster

Weifang Nie, Jizhou Sun, Jing Jin, Xiaotu Li, Jie Yang, Jiawan Zhang

2005 International Conference on Computational Science and Its Applications(ICCSA): 416-425



Survey of Parallel and Distributed Volume Rendering: Revisited

Jiawan Zhang, Jizhou Sun, Zhou Jin, Yi Zhang, Qi Zhai

2005 International Conference on Computational Science and Its Applications(ICCSA): 435-444

