

Welcome

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Welcome to the CD-ROM Proceedings of the Third Indian Conference on Computer Vision, Graphics and Image Processing. The disc is designed so that you may locate papers by session or author. The papers received in different formats were converted to Adobe Acrobat PDF file format for cross-platform access.

Preface

Thank you

Preface

Welcome to the 3rd Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP) to be held this year in Ahmedabad, Gujarat during December 16-18, 2002. ICVGIP is a forum to bring the researchers and practitioners of these allied areas together. It is held every alternate year. The concept of having an Indian conference in this rich area started with Indian Conference on Pattern Recognition, Image Processing and Computer Vision (ICPIC'95) held at IIT, Kharagpur. Subsequently, the first two ICVGIPs were held at Delhi and Bangalore in 1998 and 2000, respectively.

This year a total of 170 papers were submitted to the conference. We had submissions from all major countries in Asia, Europe, Australia, and the North and the South Americas. Of these, 87 papers were accepted, 23 for oral presentation and 64 for poster presentation. ICVGIP continues to maintain a single track for oral presentations, which is quite important for its unifying effect on the computer vision community in India. Unfortunately, this also means that only a few papers can be presented orally, and hence, ICVGIP also places an equal emphasis on poster presentations. All poster papers are allocated the same number of pages in the proceedings as oral papers, and poster sessions are given equal prominence in the schedule.

We have been very fortunate in having five internationally known specialists to deliver the plenary talks. We are thankful to Olivier Faugeras from INRIA, France, Steve Seitz from the University of Washington at Seattle, Kiran Kumar from SAC, Ahmedabad, Larry Davis from the University of Maryland, and Steve Sullivan from Industrial Light and Magic for agreeing to deliver the plenary lectures this year.

The organizing committee of the conference also wants to recognize the contributions of some of the pioneer researchers in this area in India. These researchers are responsible for the growth of research in this area in India. At this conference we will celebrate the contributions of Prof. B. N. Chatterji of IIT, Kharagpur, as he is turning sixty this year.

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Next

ICVGIP'02

ICVGIP'02

ICVGIP'02

Preface

We would like to thank all the Program Committee members for their excellent support during the review process. We are particularly grateful to P. Anandan, the plenary chair, for his tireless effort in inviting outstanding plenary speakers. Financial support from Microsoft Research, USA in the form of travel assistance to the plenary speakers is gratefully acknowledged. We are also thankful to the Association for Computing Machinery (ACM) for providing partial financial support to students in various colleges in India to attend the conference. Sponsorship of the International Association for Pattern Recognition (IAPR) has also been very useful in terms of publicizing this conference. We are grateful to the Space Applications Center (SAC), Ahmedabad and the Indian Space Research Organization (ISRO) for extending all possible help towards organizing the conference. The local organization committee headed by B. Kartikeyan deserves a special mention for its hard work. The support of Tim Olson and his colleagues at Microsoft Research has been very helpful as they provided the cyber work space for ICVGIP. Lastly, this acknowledgment is incomplete without mentioning the contribution of Arvind Nayak to ICVGIP'02. He was the man behind the ICVGIP email and web interfaces -- always ready to do whatever was needed of him!

We hope you will have a great time at ICVGIP 2002.

Subhasis Chaudhuri & Andrew Zisserman (Program Co-Chairs)

Anil Jain & Kantilal Majumder (General Co-Chairs)

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

[Home](#)

ICVGIP'02

ICVGIP'02

ICVGIP'02

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



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- Facilities include mechanical fabrication, electronic fabrication, payload fabrication, MIC fabrication and environmental tests.
Also operates Delhi Earth Station for satellite communication.
Achievements include development of communication and meteorological payloads for INSAT and camera payloads for IRS satellites.
- Currently engaged in development of INSAT communication and meteorological payloads and cameras for IRS satellites.

[Home](#)

Conference Information

Proceedings

Third Indian Conference on Computer Vision,
Graphics and Image Processing

ICVGIP 2002

on
CD-ROM

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Home

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Conference on
Computer Vision,
Graphics and
Image Processing

Sponsors



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[Home](#)

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Home](#)

Conference Information

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Home](#)

Conference Information

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Home](#)

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ICVGIP'02

ICVGIP'02

ICVGIP'02

Conference Information

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Home](#)

Conference Information

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Home](#)

Conference Information

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Home](#)

ICVGIP'02

ICVGIP'02

ICVGIP'02

Conference Information

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The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

[Home](#)

Sessions

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

- ❑ Oral Session 1: Geometry Based Processing
- ❑ Oral Session 2: OCR
- ❑ Poster Session 1: Video Processing And Graphics
- ❑ Oral Session 3: Recognition and Classification
- ❑ Oral Session 4: Multi-Scale Processing
- ❑ Poster Session 2: Recognition And Classification/3D And Multiple View Geometry
- ❑ Oral Session 5: Graphics
- ❑ Oral Session 6: Applications
- ❑ Poster Session 3: Image Processing And Segmentation

[Home](#)

Oral Session 1: Geometry Based Processing

- On Using Priors In Affine Matching
V. Govindu and M. Werman
- Background Sprite Generation Using MPEG Motion Vectors
R. Venkatesh Babu and K. R. Ramakrishnan
- Structure And Motion Estimation From Complex Features In Three Views
B. Johansson, M. Oskarsson and K. Åström
- A Simple Method For Interactive 3D Reconstruction And Camera Calibration From A Single View
A. M. Kushal, V. Bansal and S. Banerjee
- An Uncalibrated Lightfield Acquisition System
P. Sharma, A. Parashar, S. Banerjee and P. Kalra

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

ICVGIP'02

ICVGIP'02

ICVGIP'02

Oral Session 2: OCR

- A Cascaded Scheme For Recognition Of Handprinted Numerals

U. Bhattacharya, T. K. Das and B. B. Chaudhuri

- Character Decompositions

S. H. Srinivasan, K. R. Ramakrishnan and S. Budhlakoti

- An Adaptive Character Recognizer For Telugu Scripts Using Multiresolution Analysis And Associative Memory

A. K. Pujari, C. Dhanunjaya Naidu and B. C. Jinaga

- On-Line Digit Recognition Using Off-Line Features

A. Teredesai, E. Ratzlaff, J. Subrahmonia and V. Govindaraju

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Sessions](#)

[Home](#)

ICVGIP'02

ICVGIP'02

ICVGIP'02

Poster Session 1: Video Processing And Graphics

- A Fast Method For Textual Annotation Of Compressed Video
A. Jain and S. Chaudhuri
- Task Directed Imaging In Unstructured Environments By Cooperating Robots
V. A. Sujan
- Generic Video Classification: An Evolutionary Learning Based Fuzzy Theoretic Approach
R. S. Jadon, S. Chaudhury and K. K. Biswas
- CONDENSATION-Based Predictive EigenTracking
N. Gupta, P. Mittal, S. Dutta Roy, S. Chaudhury and S. Banerjee
- Compressed Domain Video Resolution Enhancement: Use Of Motion Vectors
N. Kaulgud, J. Karlekar and U. B. Desai
- Use Of Vertical Face Profiles For Text Dependent Audio-Visual Biometric Person Authentication
V. Pathangay and B. Yegnanarayana
- Wavelet Based Detection And Modified Pipeline Algorithm For Multiple Point Targets Tracking In Infrared Image Sequences
M. A. Zaveri, A. Malewar, S. N. Merchant and U. B. Desai

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Poster Session 1: Video Processing And Graphics (contd.)

- Opti-GVF Snake Model For Face Segmentation From Video Sequences
P. K. Biswas and M. Pandit
- Context-Based Interframe Coding Of MR Images
R. Srikanth and A. G. Ramakrishnan
- Parallel Levenberg-Marquardt-Based Neural Network Training On Linux Clusters – A Case Study
N. N. R. Ranga Suri, D. Deodhare and P. Nagabhushan
- A Statistical Approach To Robust Video Temporal Segmentation
R. Kumar and V. Devatha
- Face Detection And Recognition In An Image Sequence Using Eigenedginess
B. S. Venkatesh, S. Palanivel and B. Yegnanarayana
- Enhanced Video Representation Using Objects
A. Mahindroo, B. Bose, S. Chaudhury and G. Harit

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Sessions](#)

[Home](#)

Poster Session 1: Video Processing And Graphics (contd.)

- Synthetic IR Scene Simulation Of Air-Borne Targets
S. T. More, A. A. Pandit, S. N. Merchant and U. B. Desai
- Geometry Based Connectivity Compression Of Triangular Meshes
S. Nachiappan, S. Kapoor and P. Kalra
- Improved Tracking Of Facial Features In Head And Shoulder Video Sequences
S. Sengupta, J. M. Hannah and P. M. Grant
- Effective Object Segmentation In A Traffic Monitoring Application
A. Bevilacqua
- Bayesian Decision Fusion For Dynamic Multi-Cue Object Detection
L. Paletta and G. Paar

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Sessions](#)

[Home](#)

Oral Session 3: Recognition and Classification

- Improving Object Recognition By Fusion Of Multiple Views
F. Deinger, J. Denzler and H. Niemann
- Statistical Approaches to Material Classification
M. Varma and A. Zisserman

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Sessions](#)

[Home](#)

Oral Session 4: Multi-Scale Processing

- M-Band Wavelet Based Texture Features For Content Based Image Retrieval
M. Kokare, B. N. Chatterji and P. K. Biswas
- Hue Preserving Color Image Enhancement Using Multi-Scale Morphology
S. Mukhopadhyay and B. Chanda
- Low-Band-Shifted Hierarchical Backward Motion Estimation And Compensation For Wavelet-Based Video Coding
Y. Yuan and M. K. Mandal
- Improved Encoding Of Wavelet Coefficients Extracted From Multispectral And Hyperspectral Image Data
V. Makkapati and R. Kumar,
- Multiscale Facial Expression Recognition Using Convolutional Neural Networks
B. Fasel

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Sessions](#)

[Home](#)

Poster Session 2: Recognition And Classification/3D And Multiple View Geometry

- Classification Of Sodar Data Using Fractal Features
A. Mukherjee, P. Pal and J. Das
- Content Based Image Search Over The World Wide Web
V. Rathi and A. K. Majumdar
- Attribute Selection For Classificatory Analysis Using A Probabilistic Approach
A. Ahmad and L. Dey
- Rotation Invariant Color Texture Classification In Perceptually Uniform Color Spaces
R. Manthalkar, P. K. Biswas and B. N. Chatterji
- ANN Based Colour Detection In Tea Fermentation
S. Borah, M. Bhuyan and H. Saikia
- Human Face Detection In Cluttered Color Images Using Skin Color And Edge Information
K. Sandeep and A. N. Rajagopalan
- Representation And Extraction Of Nodal Features Of DevNagri Letters
R. Kapoor, D. Bagai and T. S. Kamal

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Poster Session 2: Recognition And Classification/3D And Multiple View Geometry (contd.)

- A Biomedical Information System For Combined Content-Based Retrieval Of Spine X-Ray Images And Associated Text Information
S. Antani, L. R. Long and G. R. Thoma
- Height From Gradient Using Surface Curvature And Area Constraints
T. Wei and R. Klette
- Recovering Orientation Of A Textured Planar Surface Using Wavelet Transform
T. Greiner and S. Das
- Dense Stereo Matching Based On Propagation With Voronoi Diagram
L. Tang, H. T. Tsui and C. K. Wu
- Off-Line Sinhala Handwriting Recognition Using Hidden Markov Models
S. Hewavitharana, H. C. Fernando and N. D. Kodikara
- Multi-Oriented Text Lines Detection And Their Skew Estimation
U. Pal, S. Sinha and B. B. Chaudhuri

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Poster Session 2: Recognition And Classification/3D And Multiple View Geometry (contd.)

- Maximum Entropy Models For Skin Detection
B. Jedynak, H. Zheng, M. Daoudi and D. Barret
- A Symmetry Based Clustering Technique For Multi-Spectral Satellite Imagery
P. Pal and B. Chanda
- Image Retrieval Using One-Sided Linear Prediction Based Texture Modelling
P. K. Bora and N. Saikia
- Content Based Image Retrieval Using Motif Cooccurrence Matrix
N. Jhanwar, S. Chaudhuri, G. Seetharaman and B. Zavidovique
- Video-Assited Global Positioning in Terrain Navigation: Hough Transform Solution
H. V. Le, G. Seetharaman and H. Szu
- Feature Selection In Example-Based Image Retrieval Systems
V. S. Naga Prasad, A. G. Faheema and S. Rakshit
- Algebraic Constraints On Moving Points In Multiple Views
S. Kuthirummal, C. V. Jawahar and P. J. Narayanan

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Poster Session 2: Recognition And Classification/3D And Multiple View Geometry (contd.)

- Polygonal Approximation Of Closed Curves Across Multiple Views
M. Pawan Kumar, S. Goyal, C. V. Jawahar and P. J. Narayanan
- Multiview Constraints For Recognition Of Planar Curves In Fourier Domain
S. Kuthirummal, C. V. Jawahar and P. J. Narayanan

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



[Sessions](#)

[Home](#)

Oral Session 5: Graphics

- Advancing Fan-Front: An Efficient Connectivity Compression Technique For Large 3D Triangle Meshes

S. P. Mudur, S. Venkata Babji and D. Shikhare

- Irregular, Unknown Light Sources In Dynamic Global Illumination

S. Chandran and M. P. Srivastava

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Oral Session 6: Applications

- Motion-Based Post Processing Of Deformable Contours
M. Li and C. Kambhamettu
- Clustering Using Annealing Evolution: Application To Pixel Classification Of Satellite Images
U. Maulik, S. Bandyopadhyay and M. K. Pakhira
- Classification Of Objects In SAR Images Using Scaling Features
U. S. Ranjan and A. Narayana
- Eye Tracking Using Active Deformable Models
S. Ramadan, W. Abd-Almageed and C. E. Smith
- Efficient Line Voting For MEMS Profile Registration
S. Bouchafa and B. Zavidovique

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

ICVGIP'02

ICVGIP'02

ICVGIP'02

Poster Session 3: Image Processing And Segmentation

- Efficient Object Extraction Using Fuzzy Cardinality Based Thresholding And Hopfield Network
S. Bhattacharya, U. Maulik and S. Bandyopadhyay
- A NURBS-Based Technique For The Segmentation Of Medical Images
R. G. N. Meegama and J. C. Rajapakse
- Edgeless Active Contours For Natural Color Images Based On Angular Mapping And Level Sets
S. Kulkarni, B. N. Chatterji, S. A. Joshi and A. K. Ray
- Robust And Blind Spatial Watermarking In Digital Image
S. P. Maity and M. Kumar Kundu
- Automated Detection Of Tracks In Mountainous Terrain Using IRS-1C/1D Images
D. Chaudhuri, A. Mishra, V. Gohri and J. K. Sharma
- Digital Watermarking Of Satellite Images
Y. Chauhan, P. Gupta and K. L. Majumder
- A Polyphase Filter Bank Interpretation Of Coherent Image Formation
C. Bhattacharya

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Poster Session 3: Image Processing And Segmentation(Contd)

- Unsupervised Statistical Method For Edgel Clustering With Applications To Shape Localization
F. Destremes and M. Mignotte
- Adaptive Unequal Channel Protection For JPEG2000 Images
V. S. Sanchez and M. K. Mandal
- Motion-Free Superresolution
P. K. Vajapeyazula and A. N. Rajagopalan
- Image Denoising Using Wavelet Thresholding
L. Kaur, S. Gupta and R. C. Chauhan
- A Technique For Signature Preserving Enhancement
S. Palnitkar, B. Vaghela, B. Kartikeyan and S. Chowdhury
- Super-Resolution Imaging : Use Of Zoom As A Cue
M. V. Joshi and S. Chaudhuri
- Blood Cell Segmentation Using EM Algorithm
N. Sinha and A. G. Ramakrishnan

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing



Sessions

Home

Poster Session 3: Image Processing And Segmentation(Contd.)

- Combinatorial Classification Of Pixels For Ridge Extraction In A Gray-Scale Fingerprint Image
A. Bishnu, P. Bhowmick, J. Dey, B. B. Bhattacharya, M. K. Kundu, C. A. Murthy and T. Acharya
- Adaptive Fuzzy Connectedness-Based Medical Image Segmentation
A. Pednekar, I. A. Kakadiaris and U. Kurkure
- Determination Of Minutiae Scores For Fingerprint Image Applications
P. Bhowmick, A. Bishnu, B. B. Bhattacharya, M. Kumar Kundu, C. A. Murthy and T. Acharya
- Relative Fractal Coding And Its Application In Satellite Image Compression
S.K. Ghosh, J. Mukhopadhyay, V. M. Chowdary and A. Jeyaram
- Segmentation Of Images Using Level Set Analysis
P. P. Mohanta, A. Sen and D. Prasad Mukherjee
- Semi-Automatic Road Extraction Algorithm For High Resolution Images Using Path Following Approach
V. Shukla, R. Chandrakanth and R. Ramachandran
- Adaptive Rank-Ordered Mean Filter For Removal Of Impulse Noise From Images
M. Singh and P. K. Bora,



Sessions

Home

Poster Session 3: Image Processing And Segmentation_(contd.)

- Early Stage Detection Of Tumors In Mammograms
B. V. Pawar and S. Patil
- A Fast Segmentation Algorithm Revisited
S. Chandran and K. K. Madhesiya
- Discrete Multiwavelet Transform Based SAR Image Speckle Reduction
S. Bhattacharya, V. R. Gujaraty and S. S. Rana

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Sessions

Home

Author Index

A B C D F G H

J K L M N O P

R S T V W Y Z

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

[Home](#)

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

A

- Abd-Almageed, W. [1]
- Acharya, T. [1] [2]
- Ahmad, A. [1]
- Antani, S. [1]
- Åström, K. [1]

B

- Bagai, D. [1]
- Bandyopadhyay, S. [1] [2]
- Banerjee, S. [1] [2] [3]
- Bansal, V. [1]
- Barret, D. [1]
- Bevilacqua, A. [1]
- Bhattacharya, B. B. [1] [2]
- Bhattacharya, C. [1]
- Bhattacharya, Siddhartha [1]
- Bhattacharya, Sujit [1]
- Bhattacharya, U. [1]

Authors

B [contd.]

Author Index

Bhowmick, P. [1] [2]
Bhuyan, M. [1]
Bishnu, A. [1] [2]
Biswas, K. K. [1]
Biswas, P. K. [1] [2] [3]
Bora, P. K. [1] [2]
Borah, S. [1]
Bose, B. [1]
Bouchafa, S. [1]
Budhlakoti, S. [1]

C

Chanda, B. [1] [2]
Chandrakanth, R. [1]
Chandran, S. [1] [2]
Chatterji, B. N. [1] [2] [3]
Chaudhuri, B. B. [1] [2]
Chaudhuri, D. [1]
Chaudhuri, S. [1] [2] [3]
Chaudhury, S. [1] [2] [3]
Chauhan, R. C. [1]
Chauhan, Y. [1]
Chowdary, V. M. [1]
Chowdhury, S. [1]

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

D

- Daoudi, M. [1]
Das, J. [1]
Das, S. [1]
Das, T. K. [1]
Deinzer, F. [1]
Denzler, J. [1]
Deodhare, D. [1]
Desai, U. B. [1] [2] [3]
Destremes, F. [1]
Devatha, V. [1]
Dey, J. [1]
Dey, L. [1]
Dhanunjaya Naidu, C. [1]
Dutta Roy, S. [1]

F

- Faheema, A. G. [1]
Fasel, B. [1]
Fernando, H. C. [1]

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

G

- Ghosh, S. K. [1]
Gohri, V. [1]
Govindaraju, V. [1]
Govindu, V. [1]
Goyal, S. [1]
Grant, P. M. [1]
Greiner, T. [1]
Gujaraty, V. R. [1]
Gupta, N. [1]
Gupta, P. [1]
Gupta, S. [1]

H

- Hannah, J. M. [1]
Harit, G. [1]
Hewavitharana, S. [1]

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

J

- Jadon, R. S. [1]
Jain, A. [1]
Jawahar, C. V. [1] [2] [3]
Jedynak, B. [1]
Jeyaram, A. [1]
Jhanwar, N. [1]
Jinaga, B. C. [1]
Johansson, B. [1]
Joshi, M. V. [1]
Joshi, S. A. [1]

K

- Kakadiaris, I. A. [1]
Kalra, P. [1] [2]
Kamal, T. S. [1]
Kambhamettu, C. [1]
Kapoor, R. [1]
Kapoor, S. [1]

Authors

K [contd.]

Author Index

Karlekar, J. [1]
Kartikeyan, B. [1]
Kaulgud, N. [1]
Kaur, L. [1]
Klette, R. [1]
Kodikara, N. D. [1]
Kokare, M. [1]
Kulkarni, S. [1]
Kumar Kundu, M. [1] [2] [3]
Kumar, R. [1] [2]
Kurkure, U. [1]
Kushal, A. M. [1]
Kuthirummal, S. [1] [2]

L

Le, H. V. [1]
Li, M. [1]
Long, L. R. [1]

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

M

- Madhesiya, K. K. [1]
Mahindroo, A. [1]
Maity, S. P. [1]
Majumdar, A. K. [1]
Majumder, K. L. [1]
Makapati, V. [1]
Malewar, A. [1]
Mandal, M. K. [1] [2]
Manthalkar, R. [1]
Maulik, U. [1] [2]
Meegama, R. G. N. [1]
Merchant, S. N. [1] [2]
Mignotte, M. [1]
Mishra, A. [1]
Mittal, P. [1]
Mohanta, P. P. [1]
More, S. T. [1]
Mudur, S. P. [1]
Mukherjee, A. [1]
Mukherjee, D. Prasad [1]
Mukhopadhyay, J. [1]
Mukhopadhyay, S. [1]
Murthy, C. A. [1] [2]

Authors

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

N

Nachiappan, S. [1]
Naga Prasad, V. S. [1]
Nagabhushan, P. [1]
Narayana, A. [1]
Narayanan, P. J. [1] [2] [3]
Niemann, H. [1]

O

Oskarsson, M. [1]

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

P

- Paar, G. [1]
Pakhira, M. K. [1]
Pal, P. 205, [1] [2]
Pal, U. [1]
Palanivel, S. [1]
Paletta, L. [1]
Palnitkar, S. [1]
Pandit, A. A. [1]
Pandit, M. [1]
Parashar, A. [1]
Pathangay, V. [1]
Patil, S. [1]
Pawan Kumar, M. [1]
Pawar, B. V. [1]
Pednekar, A. [1]
Pujari, A. K. [1]

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

R

- Rajagopalan, A. N. [1] [2]
Rajapakse, J. C. [1]
Rakshit, S. [1]
Ramachandran, R. [1]
Ramadan, S. [1]
Ramakrishnan, A. G. [1] [2]
Ramakrishnan, K. R. 7, [1] [2]
Rana, S. S. [1]
Ranga Suri, N. N. R. [1]
Ranjan, U. S. [1]
Rathi, V. [1]
Ratzlaff, E. [1]
Ray, A. K. [1]

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Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

S

- Saikia, H. [1]
Saikia, N. [1]
Sanchez, V. S. [1]
Sandeep, K. [1]
Seetharaman, G. [1] [2]
Sen, A. [1]
Sengupta, S. [1]
Sharma, J. K. [1]
Sharma, P. [1]
Shikhare, D. [1]
Shukla, V. [1]
Singh, M. [1]
Sinha, N. [1]
Sinha, S. [1]
Smith, C. E. [1]
Srikanth, R. [1]
Srinivasan, S. H. [1]
Srivastava, M. P. [1]
Subrahmonia, J. [1]
Sujan, V. A. [1]
Szu, H. [1]

Authors

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

T

Tang, L. [1]
Teredesai, A. [1]
Thoma, G. R. [1]
Tsui, H. T. [1]

V

Vaghela, B. [1]
Vajapeyazula, P. K. [1]
Varma, M. [1]
Venkata Babji, S. [1]
Venkatesh Babu, R. [1]
Venkatesh, B. S. [1]

Author Index

The Third Indian
Conference on
Computer Vision,
Graphics and
Image Processing

Authors

W

Wei, T. [1]
Werman, M. [1]
Wu, C. K. [1]

Y

Yegnanarayana, B. [1] [2]
Yuan, Y. [1]

Z

Zaveri, M. A. [1]
Zavidovique, B. [1] [2]
Zheng, H. [1]
Zisserman, A. [1]