



**INTERNATIONAL CONFERENCE ON INNOVATIVE
COMPUTING & COMMUNICATION
(ICICC-2019)**

**ORGANISED BY: TECHNICAL UNIVERSITY OF OSTRAVA
21-22nd MARCH, 2019
CALL FOR PAPERS
SESSION ON**

**“Machine Vision: Transfusion of Machine Learning with Soft Computing
for Vision Based Applications”**

Proposed By:

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Motivation and Objectives:

Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. It allows the machine to learn automatically without human intervention or assistance and adjust actions accordingly. Soft computing is the use of approximate calculations to provide imprecise but usable solutions to complex computational problems. With the human mind as a role model, soft computing is tolerant of partial truths, uncertainty, imprecision and approximation, unlike traditional computing models. To embed smart automatization in computer Vision Based Applications these two powerful tools machine learning and soft computing plays imperative role.

Objectives of the session are:



1. To endorse the research in the area of adversarial learning in machine vision
2. To emphasize on development of agile automotive learning model.
3. To focus on effective utilization of soft computing technique for optimization.



Scope and Interest:

Manuscripts are solicited to address a wide range of topics on computer vision based applications using ML and soft computing, including but not limited to the following:

- Video dynamics learning: motion estimation, intension recognition, object tracking/detection
- 3D scene understanding: stereo vision, reconstruction, 3D object detection, depth assessment
- Deep Learning Techniques optimized with soft computing
- 3D Computer Vision
- Scene reconstruction and matching using large scale web images
- Modernistic supervised and unsupervised learning algorithms

SUBMISSION PROCEDURE:

Academicians, researchers and practitioners are invited to submit papers for this special theme session on “Machine Vision: Transfusion of Machine Learning with Soft Computing for Vision Based Applications” on or before 31/12/2018.

- All submissions must be original and may not be under review by any other publication.
- All papers must be submitted online via <https://easychair.org/conferences/?conf=icicc2019>.
- Interested authors should consult the conference’s guidelines for manuscript submissions at http://icicc-conf.com/paper_submission.
- All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify “Machine Vision: Transfusion of Machine Learning with Soft Computing for Vision Based Applications” at the top (above paper title) of the first page of your paper.

For more details about our special session, please visit: http://icicc-conf.com/new_special_session

Important Dates

- Deadline For Manuscript Submission- 31/12/2018
- Notification Of First Review- 10/01/2019
- Submission Of Revised Manuscript- 15/01/2019
- Notification Of Final Acceptance- 31/01/2019
- Registration Deadline -15/02/2019
- Final Manuscript Due -25/02/2019