



**URL for the Conference:** <http://www.scesm.org>

## CALL FOR PAPERS

**Special Session on “Recent Advancement in Optimization, Modeling, Simulation and Image Processing (RAOMSIP)”**

**Session Chair:**

**Dr. Pratiksha Saxena, Dr. Bhawana Joshi**

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**Theme of Session:**

Optimization techniques are used in a wide-spectrum of industries, including aerospace, automotive, chemical, electrical, and manufacturing industries. A number of models can be formulated and solved by using relevant techniques of optimization, depending on type and complexity of the mathematical model. Simulation techniques provide results for multi-variable complex models.

Image processing or digital Image Processing is one of the important applications of computer science. In this the digital images are processed through mathematical operations for which the input is an image, a series of images, or a video, such as a [photograph](#) or [video frame](#); the output are the parameters related to the input image. It has many advantages over analog image processing. As an example, the images from the digital cameras can be further processed to improve their quality or to create desired special effects by the image processing technique. This additional processing is executed by special software programs and computing techniques that can manipulate the images in a variety of ways. Most image-processing techniques involve treating the image as a [two-dimensional signal](#) and applying standard signal-processing techniques to it. However, Images are also processed as [three-dimensional signals](#) where the third-dimension being time or

### Important Dates

**Last Date of Paper Submission**

**25<sup>th</sup> December, 2016**

**Notification of Acceptance**

**2<sup>nd</sup> January, 2017**

**Camera Ready Copy**

**10th January 2017**

### Publication

All accepted and registered papers of this special session will be published in one of the following Scopus/Thomson Reuters Indexed Journal:

- International Journal of u- and e-services, Science & Technologies (SCOPUS Indexed)
- International Journal of Control Theory and Applications (SCOPUS Indexed)
- International Journal of Applied Business and Economic Research (SCOPUS Indexed)
- International Journal of Economic Research (SCOPUS Indexed)
- International Journal of Computer Science and Information Security (Thomson Reuters Indexed)
- International Journal of Advanced and Applied Sciences (Thomson Reuters Indexed)
- International Journal of Control & Automation (SCOPUS Indexed)
- International Journal of Software Engineering & its Applications (SCOPUS Indexed)
- International Journal of Security & its Applications (SCOPUS Indexed)
- International Journal of Hybrid information Technology (SCOPUS Indexed)
- International Journal of Smart Home (SCOPUS Indexed)

### Registration

Please visit conference webpage for registration and other details:

<http://scesm.org/registration.html>



the z-axis. This is only possible because of the advancement in the computing theories, techniques and softwares.

Aim of this session is to provide a platform for recent advances in the area of modeling, optimization, simulation and optical communication.

### **Topics of Interest:**

**Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks are invited for submission in this special session:**

### **Tracks: (Sub-Themes)**

1. Modeling and simulation
2. Optimization techniques and applications
3. Mathematical programming and applications
4. Duality Theorems of Optimization Techniques.
5. Application of Optimization Techniques to Engineering.
6. Application of Optimization Techniques to Biological Models.
7. Application of Optimization Techniques to Animal Diet Formulation.
8. Simulation Models.
9. Modeling and simulation for optical communications
- 10. Image Processing**

### **Paper Submission Process:**

Please submit your paper (in word/pdf format) at following email:

Email: [mathematics.pratiksha@gmail.com](mailto:mathematics.pratiksha@gmail.com), [bjoshi.physics@gmail.com](mailto:bjoshi.physics@gmail.com)  
with Subject Line '**Research Paper for Special Session(RAOMSIP) in SCESM-2017**' from your email.

### **OR**

Please submit your paper at following link:

<http://scesm.org/account/login?tc=sb>

**Note: Please select name of session – “Recent Advancement in Optimization, Modeling, Simulation and Image Processing (RAOMSIP)” while submitting your paper.**



For any further queries related to this special session, please contact the session chairs at:

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