

Introduction

Life without texture is difficult to imagine. Moreover the beauty and joy that we experience (see, feel, smell etc.) is due to the variations. Variation of data at scales smaller than the scale of interest manifests as texture. In Image Processing variations in pixel intensities in small region give rise to textures. These variations in pixel intensities are the result of physical surface properties such as oriented strands, roughness, and reflectance differences.

Though texture is very difficult to define we recognize texture when we see. The image processing community tries to understand texture in the limited context; as representation of intensity variations in small region called *texel*.

The aim of this workshop is to understand the advancements in texture analysis in Image Processing. Some of the main Image Processing Research Achievements around texture can be put in a homogeneous material. We are attempting in this workshop to cover some of the major achievements in the last 4 decades. In addition to this, some applications of texture analysis such as Content Based Image Retrieval (CBIR), characterization of normal organ in CT images, etc. will be dealt with.

The objectives of the workshop are:

- To provide a platform for researchers in Texture Analysis and Applications.
- To promote research activity in Biomedical Texture analysis (Indian medical texture databases for CT and MRI images is need of the hour)
- To form a working group on texture amongst the local and regional researchers.

About SGGSI&T, Nanded

Shri Guru Gobind Singhji (SGGS) Institute of Engineering and Technology, Nanded was established on 17th December 1981. The institute is now enjoying autonomous status and is cent percent aided by Government of Maharashtra. Hon. B.N. Kalyani, an eminent industrialist, heading the Kalyani Group of Companies, is working as Chairman of the Governing Board. The Government has also appointed renowned personalities from the business, industry, academics and its senior administrative cadre on the Governing Board. This institute offers eight undergraduate and five post graduation courses in the various streams of engineering and technology. It is also university recognized research center. Visit <http://www.sggs.ac.in> for more info.



About Nanded and Institute Location

Nanded, earlier known as 'Nandigram', is located to the southeastern part of Maharashtra State on the banks of holy river Godavari. It has population of about half a million people and has the uniqueness of its own due to its historical, social and political importance. The tenth Guru of Sikkhs, Guru Gobind Singhji held his court and congregation here. This is the place where he installed "Shri Guru Granth Sahibji" as GURU in 1708. The city is a well-known education center in the Marathwada region. The city has very pleasant weather in November. The Institute is located at Vishnupuri, about 7 km from Nanded railway and bus stations well accessible by public transport like buses and autorickshaws.



(Graphics courtesy and more information: <http://nanded.nic.in>)

Registration Form

Workshop on "Texture Analysis and Applications" Dept. of E&TC, SGGSI&T, Nanded November 10, 2009

Name: Dr./Mr./Mrs./Ms. _____

Designation: _____

Organization: _____

Address: _____

Tel. No: (Off) _____ (Res) _____

(Mobile) _____

Fax: _____

Email: _____

Registration Details:

Bank Draft No. _____ Dated _____

Signature of applicant

Signature of Head of the Institution
(With Seal)

Date

Place

Address for correspondence

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S.G.G.S. Institute of Engg. & Tech.
Vishnupuri, Nanded (M.S.) PIN 431606

Other Contacts

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E-mail: suhasgajre@gmail.com

Attention! Last date for registration is 1st Nov.

Travel

Nanded can be found on map of India very easily! Just draw horz line from Mumbai and vertical line from Delhi. The point of Intersection is very close to Nanded! It is situated 650 km away from Mumbai and 270 km from Hyderabad and is an important railway station on Hyderabad–Manmad line. Nanded is also connected to Mumbai via air route, and has a newly built airport. It is connected by direct trains to Mumbai, Pune, Aurangabad, Nagpur, Hyderabad, Delhi, Bangalore, and Patna. Part of rail network around Nanded is shown below.



Faculty for the workshop



Prof. B.N. Chatterji, retired professor, IIT Kharagpur, who is one of the pioneers in Computer Vision in India. B.Tech. (in 1965) and Ph.D (in 1970) of Dept E&ECE, IIT Kgp. From 1972-73, he was Post-Doctoral Fellow at Univ of Erlangen, Germany. Since 1967 he was working as a Faculty in Dept E&EC, IIT Kgp. His publication kitty has 150+ papers in reputed journals & conferences and 3 scientific books. He received the prestigious Dr. Vikram Sarabhai Award for the year 1983 for his achievements in the field of Electronics and Telecommunication. He is the recipient of prestigious National Crime Records Bureau's prizes for his research papers in fingerprint related techniques & technologies for 1990, 91, and 92.



Prof. R.R. Manthalkar has done Ph.D. from IIT Kgp, is Head, Dept. E&TC in SGGSI&T, Nanded, and is one of the active researchers in the area.



Dr. M.B. Kokare has done Ph.D. from IIT Kgp, and is one of the active researchers in this area. He is the recipient of AICTE Career Award for young teachers.

Registration Details

Registration can be made by sending adjoining application along with demand draft (account payee) of **Rs 1000/-** payable at **Nanded** in favour of '**Director, S.G.G.S.I.E.&T., Nanded**' drawn on any nationalized bank. The last date for registration by post is **1st November 2009**.

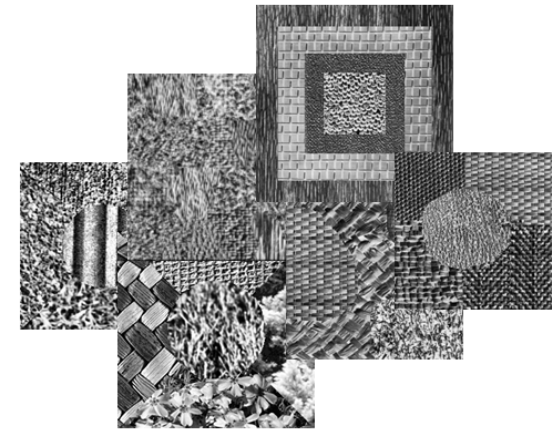
Registration fee will be **Rs 1250/-** after **1st November 2009**. There are limited seats and will be given on first-come-first-served basis.

No accommodation arrangement is done since the course is in daytime, however arrangements to keep luggage will be done for the day.

Target Participants

Interested faculty, researchers, industrial professionals, students, and people with interest in the subject are welcome to register for the workshop. Background of digital image processing is preferable.

One-Day Workshop on



Texture Analysis and Applications

November 10, 2009



Organized by

Department of Electronics and Telecom. Engg.
Shri Guru Gobind Singhji Institute of
Engineering & Technology, Nanded
Maharashtra State PIN 431606

<http://www.sggs.ac.in>