



Govt. Women Engineering College, Ajmer



Workshop on **Fiber Optics and Optical Communications**

(FOCo-2016)

02th March - 06th March 2016

Technically Sponsored by

Optical Society of India, IEEE Photonics Society India Chapter,

Laser Association of India

Tentative Technical Programme Schedule

Day -1 March 02, 2016 (Wednesday)	
09:00 AM - 10:00 AM	Registration/Reporting of Participants
10:00 AM - 10:45 AM	Inauguration
10:45 AM - 11:15 AM	High Tea
Session I	Lecture-I - <u>Basic Optics</u> by Prof. Ajoy Ghatak , Formerly at Department of Physics, IIT Delhi
	Lecture-II - <u>Basic Fiber Optics</u> by Prof. Ajoy Ghatak , Formerly at Department of Physics, IIT Delhi
	Lunch
Session II	Lecture-III - <u>Sources and Detectors for Optical Communication – 1</u> by Prof. M. R. Shenoy , Department of Physics, IIT Delhi
	Tea
Session III	Lecture-IV - <u>Sources and Detectors for Optical Communication – 2</u> by Prof. M. R. Shenoy , Department of Physics, IIT Delhi
Day -2 March 03, 2016 (Thursday)	
Session I	Lecture – V- <u>Propagation characteristics of Planar waveguides & Optical Fibers</u> by Prof. Ajoy Ghatak , Formerly at Department of Physics, IIT Delhi
	Lecture-VI- <u>Optical fiber: Realisation of Technology and Applications</u> by Prof. S. K. Bhadra
	Lunch
Session II	Lecture – VII- <u>Nonlinear photonic crystal fiber for supercontinuum generation</u> by Prof. S K Bhadra
	Lecture – VIII- <u>Fiber Measurements–</u> by Prof. B. P. Pal , Formerly at Department of Physics, IIT Delhi
	Tea
Session III	Lecture-IX-Fiber optic components and devices by Prof. R. K. Varshney , Department of Physics, IIT Delhi
	Hands On – <u>Demonstration of Software on fiber Optics</u> by Prof. R. K. Varshney , Department of Physics, IIT Delhi

Day -3 March 04, 2016 (Friday)

Session I	Lecture - X – <u>Fiber based devices</u> by Prof. B. P. Pal , Department of Physics, IIT Delhi
	Lecture - XI – <u>Fiber Sensors, Fiber Bragg Gratings</u> by Prof. B. P. Pal , Department of Physics, IIT Delhi
	Lunch
Session II	Lecture - XII – <u>Optical integrated circuits-I</u> by Prof K Thyagarajan , Department of Physics, IIT Delhi
	Lecture - XIII – <u>Optical integrated circuits-II</u> by Prof K Thyagarajan , Department of Physics, IIT Delhi
	Tea
Session III	Quiz Competition

Day -4 March 05, 2016 (Saturday)

Session I	Lecture - XIV– <u>Optical fiber amplifiers-I</u> by Prof K Thyagarajan , Department of Physics, IIT Delhi
	Lecture - XV – <u>Optical fiber amplifiers-II</u> by Prof K Thyagarajan , Department of Physics, IIT Delhi
	Lunch
Session II	Lecture - XVI – <u>Integrated Optics and Dispersion in Optical Fibers</u> By Prof. E. K. Sharma , Dept. of Elect. Sci., University of Delhi
	Lecture - XVII – By Prof. E. K. Sharma , Dept. of Elect. Sci., University of Delhi
	Tea
Session III	Lecture – XVII- <u>Special optical fibers</u> by Prof. Anurag Sharma , Department of Physics, IIT Delhi
	Lecture – XVIII- <u>Photonic Crystal Fibers</u> by Prof. Anurag Sharma , Department of Physics, IIT Delhi

Day -5 March 06, 2016 (Sunday)

Session I	Lecture – XIX- <u>Polarization and Polarization Effects in Fiber</u> by Prof. Arun Kumar , Department of Physics, IIT Delhi
	Lecture – XX- <u>Optical Sensors</u> by Prof. Arun Kumar , Department of Physics, IIT Delhi
	LUNCH
Session II	Poster Presentation
	Valedictory Function, Prize Distribution and Certificate Distribution
	High Tea

Lecture - IX
Sharma, De