

# FOS EXPLORE Software Tool

## A pathway to Fiber Optic Sensor design

### Fiber Optic Sensors(FOS): A light Waveguide

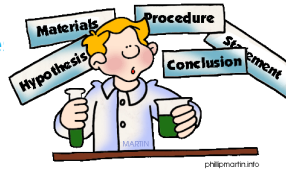
#### Features of FOS



**No Outside Interference**  
**Low weight**

**Small Size**  
**Optical detection**

#### Why to use FOS Explore?



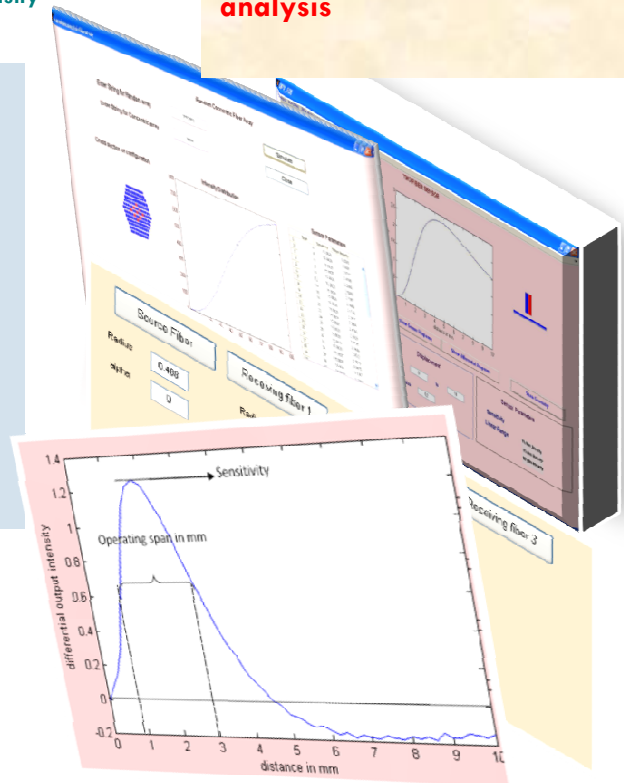
- Easy way of designing FOS for any application
- No experimentation
- Useful in designing sensor for sensing any physical or chemical parameters
- Sensor geometry can be easily altered
- Automatic sensor parameter analysis

#### What FOS FEELS?

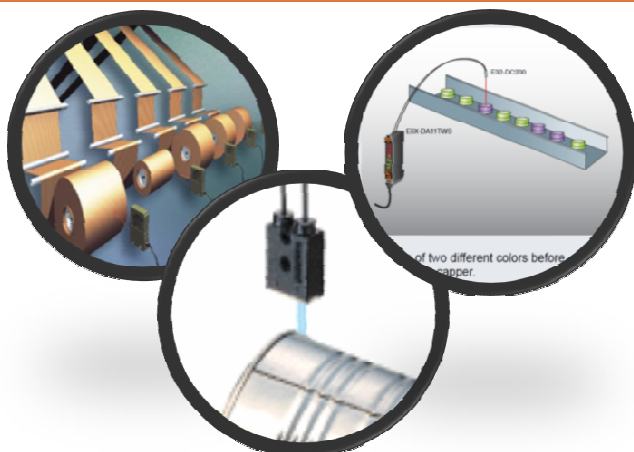
Domain	Example
Thermal	Temperature
Mechanical	Force
Chemical	Ionic Concentration
Radiant	Wavelength
Magnetic	Field intensity
Electrical	Voltage

#### Highlights of FOS Explore

- Based on ray tracing technique
- User friendly software for effortless fiber optic sensor design
- Useful for designing any configuration of fiber optic sensor as per industrial need
- Graphical and tabular displays of Sensor response, Parametric scan for sensor parameters , sensor performance parameters
- Results exported to MS EXECL



#### Industrial Applications



For further details please contact

**Dr. A. D. Shaligram**  
**Head, Department of Electronic Science**  
**University of Pune, Pune 411 007.**  
**Email: adshaligram@gmail.com**