

## Third Joint Laureate Applied Research

26<sup>th</sup> Khwarizmi International Award (KIA)



- **Project Title:** Research, Design and build- an optical gyroscope (FOG)
- **Executive Organization:** Aerospace Industries Organization,
- **Collaborator Organizations:** Many Universities, Public & Private Companies

### • Abstract:

Optical gyroscopes are one of the main assemblies in navigation subsystems used commonly in military and space industries. Up to now, mechanical gyroscopes are used just in startup process for system launching. Due to a necessity in increasing the system precision and the trajectory guidance, replacing mechanical gyroscopes with the optical ones is critical.

the reliability, lang life, more precision and ease of desing and manufactory are som of important advantags of FOG'S

