

## Third Laureate Innovation

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



- **Project Title:** Design and manufacturing of automation system for interlock and launching test of missile
- **Executive Organization:** Aerospace Industries Organization,
- **Collaborator Organizations:** Many Universities, Public & Private Companies

- **Abstract:**

Before space vehicles launch, it is necessary to test, evaluate and control all electronic and electromechanical subsystems. This critical, accurate and somehow complicated process is done by interlock & launching tester. Previously, this process has been done by electromechanical logics (relay), but now; while using digital logics, significant evolution accomplished in test equipment manufacturing technology and space vehicle launch.

These equipments are some automation systems that control the space vehicle through 2 software layers along with related hardware, and its launch.

For the first time in this project, the space vehicle test language logics are converted and translated to a digital language and processor.

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پست و شششین چشواره بین المللی خوارزمی

