Name and Title : Dr. A. Ünal Şorman, Professor İnşaat Mühendisliği Bölümü

Key Qualifications:

- Hydrological models (component-integrated) with remote sensing (RS) and geographic information systems (GIS) integration with weather prediction models.
- Statistical and stochastic tools applied to hydrologic problems (modeling approach for flood forcast-real time estimation etc)
- Water balance approach (mass, energy and heat) in various scale of catchment
- Snow melt modeling using satellite data (SEVIRI,NOAA and SSM/I,AMSR-E)
- Forecasting models for floods and droughts

Project Interest:

- Water resources projects planning, design and management,
- integration of atmospheric models with land surface processes,
- subsurface and subsurface flow integration (runoff-infiltration and recharge).
- Flow forecasting of hazards global changes affecting of floods.