

Session Program

Oct 16 – 18, 2026



3rd TAGRA

Numerical Methods

Gumushane, Gumushane University
Gumushane University Campus, Gumushane, Türkiye

Fri, October 16

1:00 PM

Numerical Methods

Session | Location: Gumushane, Gumushane University, Gumushane University Campus, Gumushane, Türkiye

1:00 – 1:15 PM

A Component-Wise Local Approximation Method for Mixed-Type Functions in Non-Newtonian Calculus

Speaker
Dr Mutlu DEDETÜRK

1:15 – 1:30 PM

Stress Concentration Factors in Hollow Shouldered Shafts Under Axial Tension: A Finite Element Study

Speaker
Erdar KAPLAN

1:30 – 1:45 PM

Applications of the Anageometric Laplace Transform to Systems of Anageometric Differential Equations

Speaker
Numan YALÇIN

1:45 – 2:00 PM

Three-Dimensional Stress Distribution in a Hydrodynamic Journal Bearing: A Preliminary CFD-FSI Study

Speaker
Erdar KAPLAN

2:00 PM