

Session Program

Oct 16 – 18, 2026



3rd TAGRA

Materials and Manufacturing

Gumushane, Gumushane University
Gumushane University Campus, Gumushane, Türkiye

Sat, October 17

11:20 AM

Materials and Manufacturing

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

11:20 – 11:35 AM

Sustainable Corrosion Protection of Marine Steel Using PF-115 Coatings Modified with Nanocalcite, ZnO and Cu₂O

Speaker

Ms Natalya FATYANOVA

11:35 – 11:50 AM

Comparative Investigation of High-Temperature Tribological and Adhesion Behavior of Cr/CrN/CrAlN and Cr/CrN/CrAlCN Multilayer Coatings Deposited on H13 Hot-Work Tool Steel by Closed Field Unbalanced Magnetron Sputtering (CFUBMS)

Speaker

GÖKHAN GÜLTEN

11:50 AM – 12:05 PM

Investigating Composite Materials as an Alternative to Titanium for the F1 Halo Component: A Comparative Assessment via Static Analysis

Speaker

Ms Fahriye Sena TOPAL

12:05 – 12:20 PM

Investigation of the Use of Composite Materials as Biomaterials

Speaker

Efe Çetin YILMAZ

12:20 – 12:35 PM

Break

12:35 – 12:50 PM

Comparative Study of the Wear Behavior of 7131 Steel and Carburized Structural Steel for Machine-Tool Spindle Applications

Speaker

Mr Hossein MORADI

12:50 – 1:05 PM

Nitrogen-Based Coatings for Biomedical Implants

Speaker

Abbas RAZMI

1:05 – 1:20 PM

Investigation of the Effect of Lateral Movement Angle During Chewing on the Dental Implant; Finite Element Analysis

Speaker

Efe Çetin YILMAZ

1:30 PM