Science&Progress 2021
Section C

Tuesday 9 Nov, moderators N.N. Resnina, T.N. Mokaev
11:30-13:30

Time	Name	Title
11:30-11:45	Matvey Alchibaev	Peculiarities of NiTi nanofilms functional behaviour
11:45-12:00	Andrei Boltachev	On index of elliptic boundary value problems associated with isometric group actions
12:00-12:15	Aleksandr Chen	The discrete problems of selfish parking.
12:15-12:30	Pavel Egorov	Martensite Stabilization Effect in Ti50Ni50 Alloy After Incomplete Direct Transformation
12:30-12:45	Fedor Ezhov	On using singular spectrum analysis in machine learning for time series prediction
12:45-13:00	Artur Gabrielyan	STABILITY OF STRAIN VARIATION DURING REPEATING ISOTHERMAL HOLDING OF THE Ni51Ti49 SHAPE MEMORY ALLOY UNDER A STRESS

13:30-15:00

Time	Name	Title
13:30-13:45	Anna Glushkova	Modeling of temperature-time dependences of cavitation strength of water
13:45-14:00	Denis Kravchenko	Modeling of State-to-State Oxygen Kinetics behind Reflected Shock Waves
14:00-14:15	Denis Kucherenko	Poroelastic Model of the Scleral Layer for Studying the Growth of Intraocular Pressure after Intravitreal Injection
14:15-14:30	Evgeniy Larin	Monte Carlo SSA for Signal Detection: Comparing Test Versions by ROC curves
14:30-14:45	Liia Shakurova	Boundary conditions for non-equilibrium gas flows in slip regime
14:45-15:00	Pavel Pchelnikov	ISOTHERMAL STRAIN VARIATION DURING ORIENTED MARTENSITE FORMATION in the Ti40.7Hf9.5Ni41.8Cu8 ALLOY

15:15-17:00

Time	Name	Title
15:15-15:30	Timofey Rebrov	Deformation tensor and crystallographic resource for martensitic transformation in TiZr shape memory alloy
15:30-15:45	Mikhail Senov	Robust Versions of the Complex SSA Method
15:45-16:00	Ahmed Shoreh	Hidden attractors and transient chaotic sets in the complex Lorenz system
16:00-16:15	Maria Starodubova	Modeling of Functional Behavior of Cu-Al-Be Shape Memory Alloys
16:15-16:30	Yilun Wu	Qualitative analysis of a shallow lake model
16:30-16:45	Bulat Yakupov	CAVITATION THRESHOLD DEPENDENCE ON TEMPERATURE and STATIC PRESSURE
16:45-17:00	Konstantin Zhuikov	An index theorem for operators on the real line periodic at infinity