

Institute of high current electronics SB RAS
Tomsk scientific center SB RAS
National research Tomsk polytechnic university

**9th International Congress
on Energy Fluxes and Radiation Effects
(EFRE-2024)**

Abstracts

September 16–21, 2024
Tomsk, Russia

Tomsk 2024

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Conferences

23rd International Symposium on High-Current Electronics

17th International Conference on Modification of Materials with Particle Beams and Plasma Flows

21st International Conference on Radiation Physics and Chemistry of Condensed Matter

6th International Conference on New Materials and High Technologies

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This book comprises the abstracts for the oral and poster sessions of IX International Congress on Energy Fluxes and Radiation Effects (EFRE-2024). The Congress will combine four International Conferences regularly hosted in Tomsk: XXIII International Symposium on High-Current Electronics, XVII International Conference on Modification of Materials with Particle Beams and Plasma Flows, XXI International Conference on Radiation Physics and Chemistry of Condensed Matter, and VI International Conference on New Materials and High Technologies. This year the event's program is even more intense: more than 700 participants have registered and more than 600 abstracts have been received. It will be a good platform for researchers to discuss a wide range of scientific, engineering, and technical problems in the fields of pulsed power technologies; ion and electron beams; high power microwaves; plasma sources; modification of material properties; pulsed power applications in chemistry, biology, and medicine; physical and chemical nonlinear processes excited in inorganic dielectrics; physical principles of radiation-related and additive technologies; self-propagating high-temperature synthesis; synchrotron and neutron research, etc.

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17th International Conference on Modification of Materials with Particle Beams and Plasma Flows

C1: Beam and plasma sources	
C2: Fundamentals of modification processes	
C3: Modification of material properties	
C4: Coatings deposition	
C5: Nanoscience and nanotechnology	
C6: Synchrotron and neutron research in materials science	

21st International Conference on Radiation Physics and Chemistry of Condensed Matter

R1: Physical and chemical processes in inorganic materials induced by intense pulsed electron, ion and laser beams	
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Scientific Edition

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