



XXXIII International Conference on  
Equations of State for Matter  
March 1–6, 2018  
Elbrus, Kabardino-Balkaria  
Russia



*Conference Program, March 3, 2018*

***Pension Elbrus Tegenekli 15:30***

Chairman

*Prof. A. V. Eremin*

- 15:30 Investigation into shock compression of the materials (plenary)  
*Petrov Dmitry Vitalievich (FSUE RFNC-VNIITF, Snezhinsk, Russia), Garmashev A. Yu., Smirnov E. B.*
- 16:00 Structural changes of calcite after shock treatment in the Mbar-range  
*Schlothauer Thomas (TUBAF, IIC, Freiberg, Germany), Schimpf C., Kempe U., Heide G., Kroke E.*
- 16:15 Combustion of foamed emulsions containing biochar microparticles: Foam as a medium for incomplete oxidation of hydrocarbons  
*Kichatov B. V., Korshunov Alexey Mikhailovich (JIHT RAS, Moscow, Russia), Korshunova E. E., Kiverin A. D.*
- 16:30 Numerical study of various factors influence on the efficiency of hydrogen combustion in high-speed air flow  
*Kukshinov Nikolay Vladimirovich (CIAM, Moscow, Russia)*
- 16:45 Numerical study of combustion wave propagation initiated by discharge  
*Dobrovolskaya Anastasia Sergeyevna (JIHT RAS, Moscow, Russia), Filimonova E. A., Bityurin V. A., Bocharov A. N.*

17:00  **COFFEE-BREAK**

Chairman

*Prof. I. L. Iosilevskiy*

- 17:15 Thermodynamic parameters of lithium deuteride in pressure ranges 5–1000 GPa  
*Maevskii Konstantin Konstantinovich (LIH SB RAS, Novosibirsk, Russia)*
- 17:30 First-principle study of critical parameters of tungsten  
*Minakov Dmitry (JIHT RAS, Moscow, Russia), Levashov P. R.*
- 17:45 On consistency of dynamic experiments on thermodynamic properties of expanded liquid molybdenum  
*Paramonov Mikhail Anatol'evich (JIHT RAS, Moscow, Russia), Minakov D. V., Levashov P. R.*
- 18:00 The supercooled diamond melt at near normal pressure  
*Basharin Andrey Yurievich (JIHT RAS, Moscow, Russia), Dozhdikov V. S.*
- 18:15 Liquid drop model of nuclei capillary oscillations with account of viscosity  
*Khokonov Azamat Khazret-Alievich (KBSU, Nalchik, Russia)*
- 18:30 On distribution of particles over the constituent clusters  
*Khokonov Murat Khazratievich (KBSU, Nalchik, Russia), Khokonov A. Kh.*

18:45  **SUPPER**

***KBSU Base 21:00***

21:00–  
23:00  **POSTER SESSION**