

**INTERNATIONAL SEMINAR ON MAGNETIC SHAPE MEMORY
AND HIGH ENTROPY ALLOYS**
Prague, 8 - 9. 3. 2023
FZU Institute of Physics Prague, rooms Solid P19 and Solid 1.32
Final programme (06.03.2023)

8. 3. 2023, Solid P.19

11.00-11.30	COFEE, REFRESHMENTS & GATHERING		
11.30-12.15	Mariia Vinogradova	LUT, Finland	Constant Plane Shift Model: Structure analysis of martensitic phases in Ni-Mn-Ga-Fe beyond non-modulated building blocks
12.15.-13.00	Alexei Sozinov	LUT, Finland	Uniaxial-stress effects on 10M Ni-Mn-Ga martensite with incommensurate modulation
13.00-14.00	LUNCH		
14.00-14.30	Petr Veřtát	FZU, CR	Structure of 10M martensite - ND & XRD experiments
14.30-15.00	Ladislav Straka	FZU, CR	Structure of 10M martensite - interpretation of experiment & relation to CPS model
15.00-15.15	COFFEE & REFRESHMENT		
15.15-16.00	Anna Wojcik	IMIM PAN Poland	MFIS in polycrystalline NiMnGa-based alloys
16.00-16.45	Wojciech Maziarz	IMIM PAN Poland	Martensitic transformation in high entropy alloys
16.45-17.30	Robert Chulist	IMIM PAN Poland	Periodic shuffling of atomic layers in shape memory and high entropy alloys
18.00 - ...	DINNER & FREE DISCUSSION		

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8.30-9.00	COFEE & GATHERING		
9.00-9.45	Ross Collman	CU, CR	The exhausting experimental search for alternative MSM-active Heusler alloys
9.45-10.30	Martin Zelený	BUT, CR	Shear stability of modulation in 10M martensite and atomistic model of a-c twin boundary
10.30-10.45	COFEE & REFRESHMENT		
10.45-11.30	Petr Šesták	BUT, CR	Influence of doping atoms Cu, Co, Fe on twinning in Ni-Mn-Ga alloy: GPFE curves
11.30-12.15	Martin Heczko	BUT, CR	First-principles study of twin formation in Mn-excess Ni-Mn-Ga alloys
12.15-13.15	LUNCH		
13.15-14.00	Jaroslav Čapek	FZU, CR	Biodegradable Zn-based alloys
14.00-14.15	COFFEE & REFRESHMENT		
14.15-16.00	Kari Ullakko	LUT, Finland	Micro Magnetomechanical Systems: manufacturing and potential applications Discussion - towards joined (EU) project(s) and other international collaborations.
16.00	END		

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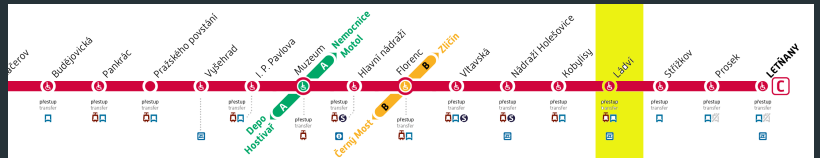
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Address:

FZU Institute of Physics, pavilion Solid (new white building)
Pod vodárenskou věží 2531/3, 182 00 Prague 8 - Libeň, Czechia
[click this link for the map](#)

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