

# International Symposium on Advanced Materials Having Multi-Degrees-of-Freedom

1<sup>st</sup> ~ 2<sup>nd</sup> November, 2012 (tentative)

100<sup>th</sup> Anniversary Hall in Kumamoto University

## TOPICS

- Molecular vibrational *degrees-of-freedom* (DoF)
- Electronic *DoF* of many-body effects in high density phase
- Multi-*DoF* in superionic conducting phenomena
- *DoF* in dynamic processes under high temperature and high pressure
- Internal magnetic *DoF* in magnetic phase transition
- Inter-molecular *DoF* in molecular aggregates
- Spectroscopy for multi-*DoF* (THz, fs, Synchrotron Radiation )
- Control methods of multi-*DoF* by using extreme conditions