

# Keynotes ICMS 2017

	Title	Authors
KN 1	Light Reflection Change of Biogenic Guanine Crystals by Exposure to 13 T Magnetic fields	<u>Masakazu Iwasaka</u> , Noriyuki Hirota
KN 2	Instabilities in boundary layers in MHD duct flows	<u>L. Bühler</u> , T. Arlt, V Chowdhury, C. Mistrangelo
KN 3	Special Properties of Ionic Vacancy Measured by Magnetic Field	<u>Ryoichi Aogaki</u> , Atsushi Sugiyama, Makoto Miura, Yoshinobu Oshikiri, Miki Miura, Ryoichi Morimoto, Satoshi Takagi, Iwao Mogi, Yusuke Yamauchi
KN 4	Magnetic manipulation of molecular orientation, film texture and charge transport of high-performance semiconducting polymers	<u>Fapei Zhang</u> , Guoxing Pan, Tian Li, Guoqiang Tang
KN 5	Biological effects of ultra-high ( $\geq 20$ T) static magnetic fields	<u>Xin Zhang</u>
KN 6	Growth of wet-chemical synthesized FePt nanoparticles under high magnetic field	Chun Wu, Xiaoyang Wang, Xiao Duan, Wenli Pei, Kai Wang, <u>Qiang Wang</u>
KN 7	Contactless manipulation of fluids and measurement of concentration changes in microfluidic systems by imposed magnetic fields	<u>Margitta Uhlemann</u> , Veronika Hähnel, Foyzal Z. Kahn, Gerd Mutschke, Jörg König, Ingrid Fritsch
KN 8	Measurement of contact angle under simulated microgravity in a superconducting magnet	<u>Da-Chuan Yin</u> , Yong-Ming Liu, Rui-Qing Chen, Zi-Qing Wu, Peng Shang
KN 9	Effects of magnetic field on solid-solid phase transformations in some iron-based alloys and shape memory alloys	<u>Tomoyuki Kakeshita</u> , Takashi Fukuda