



SUMMER SCHOOL 2019

In collaboration with Pamir International Conference
Reims Champagne-Ardenne University
and Grenoble Alpes University



Program

	9:00-9:45	9:45-10:30	10:30-11:15		11:45-12:30	12:30-13:15
JULY 2: Fundamental MHD	Y. Fautrelle: Introduction to magneto sciences and effect of AC Magnetic Fields on Free Surfaces	S. Cuevas Flows induced by electro magnetic forces	L. Bühler MHD duct flows		A. Potherat MHD Turbulence at low Magnetic Reynolds number	L. Davoust: "EHD: principles and applications".
JULY 3 Magneto electrochemistry/ liquid metal ^o	J. P. Chopart General presentation	T. Wondrak^o Measurement Systems for liquid metals	A.L. Daltin Action of MF on the quality of deposition		A.Alemanly Influence of a DC magnetic field on the corrosion processes of a metallic wall by a liquid metal	A.Bouabdallah Instability and Corrosion under magnetic field
JULY 4 EPM*/ <i>metal and Space technologies</i>	A.Gagnoud* EPM: General presentation	A.Kharicha* Continuous casting of steel	A. Bojarevičs* Some Applied Aspects of Thermoelectric Magneto hydro dynamics		K. Zaidat* Crystal growth under magnetic field	C. Latge The sodium, a fluid for various applications. Properties and consequences for its safe and efficient use
JULY 5 liquid metal and Space technologies	O. Agullo 9:00-9:40 MHD issues in tokamak plasmas. Focus on magnetic island dynamics	Y. Delannoy 9:40-10:20 Electromagnetic pumps: performance, instabilities, PEMDYN test experiment	F. Debray 10:20-11:00 High magnetic fields laboratory		E. Pariat 11:45-12:25 Solar Magnetic Fields: from structuring to dynamically impacting the interplanetary medium	A.Montisci 12:25-13:05 Solar sails