

Monday 18 March		Tuesday 19 March		Wednesday 20 March		Thursday 21 March		Friday 22 March	
VI Colombian Mössbauer Spectrometry School				First Iron Oxide Workshop					
Mössbauer School courses and applications				Iron oxide courses and Fe-based alloys		Biomedicine and Industrial applications		Geology and water treatment	
8:30 - 9:15	Welcome-Inauguration	Aspectos instrumentales de la espectroscopia Mössbauer Prof. Alvaro Velásquez	Structural and Physical properties of Fe nanostructures Prof. Jean-Marc Greneche	8:30 - 9:10	Síntesis y Caracterización de Nanopartículas de Magnetita-Maghemita funcionalizadas con Quitosano Cuaternario para aplicaciones biomédicas Prof. Alvaro Velásquez	A geologic perspective of plastic pollution Prof. Nelson Rangel			
9:15 - 10:00	Introducción Espectroscopia Mössbauer: El efecto Mössbauer y Espectrometría Mössbauer con 57Fe Prof. Sebastián Trujillo	Magnetic dipolar interactions in Fe-based nanoparticles ensembles (On line) Prof. Francisco H. Sánchez	Short courses about synchrotron and isotopic techniques (On line) Prof. Anthony Chappaz	9:10 - 9:50	Fabrication and characterization of magnetite microspheres obtained from mill scale in the steel industry Prof. Lorena Marin Mercado	Nanomateriales para aplicaciones en energía, medioambiente y medicina: Avances y retos en Latinoamérica para la contribución a los Objetivos de Desarrollo Sostenible (On line) Prof. Constanza Perez Martelo			
10:00 - 10:45	Interacciones hiperfinas Prof. Cesar Barrero	Espectrometría Mössbauer bajo campo magnetico y preparación de muestra Prof. Jean-Marc Greneche	Chemical surface properties and nano effect Prof. Laurent Charlet	9:50 - 10:30	Design of iron oxide nanoplatforms for targeting, diagnosis, and therapy (on line) Prof. Sylvie Begin	Use of akageneite nanoparticles as metal adsorbents Danis Gómez			
10:45 - 11:00	Coffee break			10:30 - 10:45	Coffee break				
11:00 - 11:45	De la estructura hiperfina al ajuste del espectro Mössbauer Prof. Jean-Marc Greneche	Uso de la Espectrometría Mössbauer para estudiar imanes permanentes y materiales magnetocalóricos Prof. Sebastian Trujillo	Investigation of magneto-transport properties of Fe ₂ O ₃ Prof. Rafael Gonzalez Hernández	10:45 - 11:25	Characterisation of Gd doped magnetite nanoparticles PhD(c) Carolina Guida	Magnetic oxide nanoadsorbents (On line) Prof. Edson Passamani Caetano			
11:45 - 12:30	Espectrómetro Mössbauer y toma de espectros Prof. Jesús Tabares	Micromagnetic Modelling of Fe-based Alloys with Potential Applications as Permanent Magnets Prof. Luis Rodriguez	Application of iron oxide nanoparticles for removal of pollutants Prof. Adriana Herrera	11:25 - 12:05	El rol del hierro reducido en arcillas antibacteriales (On line) / IMGA French chapter (On site) Dr. Carolina Londoño / Prof. Laurent Charlet	Síntesis y caracterización de ferritas nanocristalinas del sistema Mn1-xZnxFe2O4 (x = 0, 0.2, 0.4, 0.6) obtenidas via hidrotermal a partir del extracto de Aloe barbadensis Mill (Asphodelaceae) para el tratamietno de aguas contaminadas Melissa Quevedo/ Prof. Zulia Caamaño De Ávila			
12:30 - 14:30	Lunch break			12:05 - 14:05	Lunch break		12:05 - 12:40 Concluding round table		
Mössbauer Spectrometry applications				Energy and environment					
14:30 - 15:15	Mössbauer en imanes permanentes 1:12 Prof. Ligia Edith Zamora Alfonso	Aleaciones FeMnAl obtenidas para aplicaciones del corte de caña de azúcar Prof. Germán Pérez	City tour Barranquilla: Gran Malecón del rio	14:05 - 14:45	Machine Learning Insights into Band Gap Dynamics and Oxygen Vacancy Formation Prof. Carlos Mera				
15:15 - 16:00	Iron oxides and oxyhydroxides explored with Mössbauer spectroscopy Prof. César Barrero	Melt-spinning hecho en casa Prof. Jesús Tabares		14:45 - 15:25	Magnetic remediators as remarkable alternatives for real water treatments: current challenges and perspectives (On line) Prof. Juan Adrian Ramos Guivar				
16:00 - 16:30	Coffee break			15:25 - 16:05	Retention potential of contaminants by (nano)magnetite (On line) Dr Evgenia-Maria Papaslioti				
16:30 - 17:10	Construction of phase diagrams for magnetic alloys using the renormalization method an neural networks Juan E. Bedoya				Coffee break				
18:00 - 20:00	Cocktail	Cultural exhibition		19:00	Dinner				