



# XIX Meeting of Physics 2020

## Thursday 24 September 2020

### Materials Science and Nanotechnology: Room 1 (14:00-16:00)

[id] title	presenter	board
[5] Manipulation of spin currents with synthetic antiferromagnets	Dr AVILES FELIX, Luis	
[11] Obtención del Hamiltoniano magnético a partir de espectroscopia Mössbauer y difracción de rayos X de la composición $\text{Al}_x\text{Fe}_{(1-x)}$ ( $x=0,25;0,5;0,75$ ) obtenida por molienda mecánica	ROCHA CABRERA, Ronald David	
[23] Cálculos ab-initio para el estudio de las propiedades estructurales, magnéticas e hiperfinas del sistema $\text{MgFe}_2\text{O}_4$	Dr GIL REBAZA, Arles V.	
[14] Low-temperature quantum transport in semiconductor/superconductor devices	Dr ESTRADA SALDAÑA, Juan Carlos	
[64] Spin-orbit phenomena in graphene-based spin devices	Dr SAVERO TORRES, Williams	

# Saturday 26 September 2020

## Materials Science and Nanotechnology: Room 1 (08:00-09:00)

-Conveners: Andres La Rosa; Carlos Javier Solano Salinas

[id] title	presenter	board
[47] Sensibilidad de un sensor de desplazamiento basado en fibra óptica afinada con estructura en forma de S	Dr MOSQUERA LEIVA, Luis	
[29] Optical properties of atomically thin semiconductors: The role of excitons	Dr VILLEGAS, Cesar E. P.	
[26] Classical and quantum mechanical interpretations of lossless beam splitters	HICKS, Lewis	

## Materials Science and Nanotechnology: Room 2 (15:30-16:00)

[id] title	presenter	board
[49] Magnetic properties of the series YFexCr1-xO3	Mr SALAZAR-RODRIGUEZ, Roberto	