

The location of the Café Concert can be found on the website of the event, just go to venue (sede)

## Registration

### Monday may 27, Café Concert

Time	Full name	Institution	Code	Talk Title
17:00-21:00	Registration and Welcome Cocktail	NA	NA	NA

### Tuesday-Thursday, Library Entrance and/or Salon Tenamxtli (4th Floor)

Time	Full name	Institution	Code	Talk Title
9:00-14:00	Registration	NA	NA	On tuesday, registration will be extended up to 18:30

## Plenary Talks, Short Talks, & Workshops

### Tuesday may 28, Auditorium, Ground Floor

Time	Full name	Institution	Code	Talk Title
9:00-10:00	Opening Ceremony, Dr. Israel Pérez, Dra. Santos Adriana Martel Estrada, Dra. María Luisa García Batiz	UACJ, CU Valles, U de G.	NA	NA
10:00-11:00	Dr. Armando Encinas	IPICYT, San Luis Potosí, Mexico	Plenary I	Magnetic nanomaterials and their use in advanced composite materials: control of magnetic properties and applications
11:00-11:20	Coffee Break			
11:20-11:40	Rodolfo González González	UANL	STNS-01	DFT-D STUDY OF A NEW TWO-DIMENSIONAL CARBON NITRIDE ALLOTROPE WITH POLLUTANTS
11:40-12:00	Aura Nava Velázquez	Cinvestav Merida	STSMT-01	MAGNESIUM PORPHYRIN TAPES AS COMPONENTS IN MOLECULAR ELECTRONIC DEVICES
12:00-12:20	Jorge Luis Briseño Gómez	UNAM	STHMT-03	SPINNING SPHERICAL AND NON-SPHERICAL PLASMONIC NANOPARTICLES WITH ELECTRON BEAMS
12:20-12:40	Selene Jacqueline Reyes Salinas	Cinvestav	STHMT-05	ELECTRONIC STRUCTURE AND MAGNETISM OF FUSED CU-PORPHYRIN-BASED NANOSTRUCTURES
12:40-13:00	Miguel Alejandro Baizabal Bocanegra	Cinvestav Merida	STHMT-07	ELECTRONIC STRUCTURE OF FUSED ZINC PORPHYRINS NANOTAPES
13:00-14:20	Workshop 2, Dr. Guillermo Manuel Herrera Pérez, Departamento de Física de Materiales CIMAV Chihuahua, Determinación de los efectos microestructurales a través del análisis del perfil de línea de los patrones de difracción de rayos X para nanoestructuras			

### Wednesday may 29, Auditorium, Ground Floor

Time	Full name	Institution	Code	Title
9:00-10:00	Dr. Chérif Matta	Mount Saint Vincent, Halifax Canada	Plenary 2	University Electron Localization-Delocalization Matrices (LDMs): A Powerful Molecular Descriptor for in silico Design of Materials
10:00-10:20	David de Jesus Lopez Chi	Cinvestav Merida	STHMT-08	A COMPARATIVE STUDY OF THE ELECTRONIC STRUCTURE FOR MAGNESIUM OXIDE USING DFT AND DFT+U+V
10:20-10:40	Lorenzo Orozco García	UI	STHMT-12	Enhancing predictive accuracy for optical parameters of absorbent films using neural networks
10:40-11:00	Daniel Espinosa González	UNAM	STHMT-09	ELECTRON SPILL-OUT NONLOCAL EFFECTS ON THE MOMENTUM TRANSFER FROM SWIFT ELECTRONS TO NANOPARTICLES
11:00-11:20	Luis Eduardo Rivera Guerrero	Cinvestav Merida	STHMT-10	ELECTRONIC STRUCTURE OF Ca <sub>2</sub> N UNDER UNIAXIAL PRESSURE
11:20-11:40	Roxana Mitzayé Del Castillo Vázquez	UNAM	STHMT-11	ELECTRONIC STRUCTURE OF DOPED SILICENE AND ITS APPLICATIONS IN FIELD-EFFECT TRANSISTORS
11:40-12:00	Coffee Break			
12:00-13:00	Dr. Victor Coello	CICESE Monterrey, Mexico	Plenary 3	Nanoplasmonics: Localized Control of Light Propagation at the Nanometer Scale
13:00-14:20	Workshop 2, Dr. Guillermo Manuel Herrera Pérez, Departamento de Física de Materiales CIMAV Chihuahua, Determinación de los efectos microestructurales a través del análisis del perfil de línea de los patrones de difracción de rayos X para nanoestructuras			

### Thursday may 30, Auditorium, Ground Floor

Time	Full name	Institution	Code	Title
9:00-10:00	Dr. Frank Scheffold	University of Fribourg, Fribourg Switzerland	Plenary 4	Characteristics of Polymer Microgel-Colloids and Pastes Analyzed through Light Scattering and Superresolution Microscopy
10:00-10:20	Hugo Marcelo Flores Ruiz	UdG	STHMT-01	Impact of tetrahedral germanium on electronic properties in phase-change materials
10:20-10:40	Alejandro Reyes Coronado	UNAM	STHMT-02	SPINNING AND MOVING NANOPARTICLES WITH SWIFT ELECTRONS
10:40-11:00	Raúl García Llamas	UNISON	STHMT-04	Study of an electron in a finite size system using the Dirac Equation
11:00-11:20	Luis Fernando Garcia Uc	Cinvestav Merida	STHMT-06	ELECTRONIC INSTABILITY IN A HONEYCOMB-KAGOMÉ LATTICE: THE CASE OF QUETZALCOATLITE
11:20-12:00	Event Photo and Coffee Break			
12:00-13:00	Dr. Esteban Cruz Hernández	CIACYT, Universidad Autónoma de San Luis Potosí, México	Plenary 5	Exploring Coherent Transverse Coupling in 3D Semiconductor Nanowire Arrays for Quantum Applications
13:00-14:20	Workshop 2, Dr. Guillermo Manuel Herrera Pérez, Departamento de Física de Materiales CIMAV Chihuahua, Determinación de los efectos microestructurales a través del análisis del perfil de línea de los patrones de difracción de rayos X para nanoestructuras			

### Friday may 31, Auditorium, Ground Floor

Time	Full name	Institution	Code	Title
9:00-10:00	Dr. Máximo López López	Physics Department, Centro de Investigacion y de Estudios Avanzados del IPN, Mexico	Plenary 6	Growth of Wurtzite and Zinc-Blende Phases in III-N Semiconductors by Molecular Beam Epitaxy
10:00-10:20	Esther Ramirez Meneses	UI	STNT-10	STABILIZED NANOMATERIALS WITH APPLICATION IN ELECTROCATALYSIS: LIGNIN FROM CORN-COB (BIOMASS WASTE) AS GREEN STABILIZER ALTERNATIVE
10:20-10:40	Gustavo Ruiz Pulido	Tec. Monterrey	STNT-11	TRIBORHEOLOGICAL ANALYSIS OF RECONSTITUTED GASTROINTESTINAL PORCINE MUCUS / CHITOSAN:TPP NANOPARTICLES SYSTEM FOR STUDYING MUCCADHESION UNDER DIFFERENT PH CONDITIONS
10:40-11:00	Coffee Break			
11:00-12:00	Dr. Nelson Flores Gallegos	C. U. Valles, Universidad de Guadalajara, Mexico	Plenary 7	Some New Insights of Informational Entropies in Chemistry
12:00-13:40	Workshop 2, Dr. Guillermo Manuel Herrera Pérez, Departamento de Física de Materiales CIMAV Chihuahua, Determinación de los efectos microestructurales a través del análisis del perfil de línea de los patrones de difracción de rayos X para nanoestructuras			
13:40-14:20	Poster Award and Closing Ceremony	Dr. Israel Pérez, Dra. Santos Adriana Martel	CC	NA
14:20-24:00	Departure			

### Tuesday may 28, Salon Cataluña 5th Floor

Time	Full name	Institution	Code	Title
9:00-10:100	No activity			
10:00-11:00	No activity			
11:00-11:20	Coffee Break			
11:20-11:40	Cecilio Santos Hernández	UAEH	STHME-02	EFFECTS OF LOW-TEMPERATURE PROCESSING IN THE PROPERTIES OF MOLYBDENUM OXIDE SYNTHESIZED IN SOLUTION
11:40-12:00	César Rosales Martínez	CUCEI U de G	STHME-03	Synthesis and Characterization of Bystromite ( $MgSb_2O_6$ ) and Analysis of Their Properties as a Gas Sensor
12:00-12:20	Paulina Diaz Flores	U de G	STSME-01	FORMATION AND CHARACTERIZATION OF POLY- L-LYSINE/CHLOROPEROXIDASE COMPLEXES FOR BIOCATALYSIS
12:20-12:40	Flor Cecilia Sánchez Vargas	UAEH	STHME-13	EFFECT OF THE TEMPERATURE ON THE SYNTHESIS OF $Ni(OH)_2$ THROUGH THE HYDROTHERMAL METHOD
12:40-13:00	Omar Díaz Huerta	UACJ	STHME-14	ZnO/Bioglass 45S5 THIN FILMS BY SPIN COATING ONTO FLEXIBLE SUBSTRATES FOR THE DEVELOPMENT OF URIC ACID BIOSENSORS
13:00-14:20	Workshop 1, Dr. José Guillermo Mendez Bermudez and Dr. Iván Guillen Escamilla, C.U. Valles, Universidad de Guadalajara, Mexico , Simulación molecular de moléculas polares y tensoactivos			

### Wednesday may 29, Salon Cataluña 5th Floor

Time	Full name	Institution	Code	Title
9:00-10:00	No activity			
10:00-10:20	Jorge A. Garcia Macedo	UNAM	STHME-15	UV LIGHT RHODAMINE B PHOTODEGRADATION WITH TiO <sub>2</sub> AS POWDER AND FILMS
10:20-10:40	Perla Jannelle Angulo Espinoza	Universidad Politécnica de Sinaloa	STNT-00	GREEN SYNTHESIS OF SILVER NANOPARTICLES (AgNPs) USING <i>Nannochloropsis oculata</i> BIOMASS
10:40-11:00	Jesus Manuel Rivera Esteban	UNAT-Peru	STNT-01	LASER IRRADIATION OF SILVER NANOPARTICLES TO OBTAIN NEW MORPHOLOGIES
11:00-11:20	Rafael Garcia Gutierrez	UNISON	STNT-02	SYNTHESIS AND STUDY OF GALLIUM OXIDE NANOPARTICLES ON Au/Si BY HCVD
11:20-11:40	Karla Gricelda Fernandez Solís	CUCEI U de G	STNT-03	SYNTHESIS OF CROSSLINKED CHITOSAN-MALTODEXTRIN pH-SENSITIVE NANOGELS FOR DOXORUBICIN DELIVERY
11:40-12:00	Coffee Break			
12:00-13:00	No activity			
13:00-14:20	Workshop I, Dr. José Guillermo Mendez Bermudez and Dr. Iván Guillen Escamilla, C.U. Valles, Universidad de Guadalajara, Mexico , Simulación molecular de moléculas polares y tensoactivos			

### Thursday may 30, Salon Cataluña 5th Floor

Time	Full name	Institution	Code	Title
9:00-10:00	No activity			
10:00-10:20	Valentina Aguilar Melo	UAC	STNT-04	DEVELOPMENT OF A POLYDIMETHYLSILOXANE (PDMS)-AGNPS COMPOSITE FOR RAMAN-SERS APPLICATION
10:20-10:40	Valeria Ivette Soto Soto	CUCEI UdG	STNT-05	TiO <sub>2</sub> NANOTUBES GROWN ON Ti64 FOR BIOMEDICAL APPLICATIONS
10:40-11:00	Jonathan Alexis Urrutia-Anguiano	UNAM	STNT-06	LIGHT SCATTERING BY PARTIALLY EMBEDDED PLASMONIC NANOPARTICLES
11:00-11:20	Jorge Alberto Betancourt-Delgadillo	UNAM	STNT-07	ENHANCING PHOTOLUMINESCENCE WITH RANDOM METASURFACES
11:20-12:00	Event Photo and Coffee Break			
12:00-13:00	No activity			
13:00-14:20	Workshop I, Dr. José Guillermo Mendez Bermudez and Dr. Iván Guillen Escamilla, C.U. Valles, Universidad de Guadalajara, Mexico , Simulación molecular de moléculas polares y tensoactivos			

### Friday may 31, Salon Cataluña 5th Floor

Time	Full name	Institution	Code	Title
9:00-10:00	No Activity			
10:00-10:20	Anabel Herrera Rodríguez	UMICH	STNT-08	SONOSYNTHESIS OF ZrO <sub>2</sub> :Yb <sup>3+</sup> -Tm <sup>3+</sup> UP-CONVERSION NANOPARTICLES FOR BIOMEDICAL APPLICATIONS
10:20-10:40	Hazael Dciel Ramírez Ferreira	UAEH	STNT-09	HOT-INJECTION SYNTHESIS OF CsPbBr <sub>3</sub> PEROVSKITE QUANTUM DOTS FOR SOLAR-CELL APPLICATIONS
11:40-12:00	Coffee Break			
11:00-12:00	No activity			
12:00-13:40	Workshop I, Dr. José Guillermo Mendez Bermudez and Dr. Iván Guillen Escamilla, C.U. Valles, Universidad de Guadalajara, Mexico , Simulación molecular de moléculas polares y tensoactivos			
13:40-14:20	No activity			

Poster Sessions		
Tuesday may 28, Main Hall 4th Floor, 16:30-18:30		
Full name	Institution	Poster Code
Clarissé Hernández Santana	UANL	PNT-01
José Alberto Luna Lopez	BUAP-IC	PNT-02
José Eulalio Erro Quiñonez	UNISON	PNT-04
Ramón Alberto Baeza Pérez	UANL	PNT-05
Jiliany Jessy Nabet	UANL	PNT-06
Irma Alejandra Corro Escorcía	UAEH	PHME-01
Cristopher Raúl Mondragón Estrada	UACJ	PHME-00
Bryan Axel Torres Contreras	UACJ	PHME-00
Alexa Carrillo Mercader	CU Valles, UdG	PNT-07
María Fernanda Amézaga González	UACJ	PNT-08
Eduardo Oswaldo Mendo Pérez	BUAP	PNS-01
Nancy Vázquez Canales	UAEH	PNT-09
Jaqueline Trejo Reyes	UPVM	PNT-10
Victor Sánchez Ramírez	UPVM	PNT-11
Dana Aquetzalli Ramírez Resendez	UPVM	PNT-12
Daniel Martínez Osuna	UACJ	PNT-13
Jose Eduardo Garduño Diaz	UPVM	PNT-14
Miguel Cervantes Robles	UPVM	PNT-15
Cinthya Melissa Hernández Minjares	UACJ	PNT-17
Fernando Nava Palafox	UPIBI	PNT-18
Mario Shacharel Pérez Parra	CUCS UdG	PNT-19
Ruth Reyes	CU Valles UdG	PNT-20
Karla Josefina Gonzalez Iñiguez	CUCEI UdG	PNT-21
Cynthia Almeda Torres	UACJ	PNT-22
Esther Ramirez Meneses	UI	PNT-38
Raúl Omar Escamilla Guevara	IPN	PHMT-03
Adrian Sinuhe Veloz Cisneros	UdG	PNT-33

Wednesday may 28, Main Hall 4th Floor, 16:30-18:30		
Full name	Institution	Poster Code
José Alberto Luna Lopez	BUAP-IC	PNT-03
Jorge Alberto Solis Badillo	UNAM	PHME-04
Francisco Gerardo Almonacid Hernandez	Universidad Politécnica de Sinaloa	PNT-25
Jose Trinidad Elizalde Galindo	UACJ	PHME-05
Daniela Abigail López Mireles	IPICYT SLP	PHME-06
Santos Marin Silva	UACJ	PHME-03
Raúl Omar Escamilla Guevara	IPN	PHMT-04
Rosario Elizabeth Hernández Ortiz	CUCEI UdG	PNT-26
César Emilio Cárdenas Zavala	UANL	PHMT-05
Sebastian Morales Guzmán	Tec. Nac. Mex. Hidalgo	PNT-24
María del Carmen Rangel Monreal	IPICYT SLP	PHME-07
Juan Francisco Hernández Castillo	UACJ	PHME-08
Angela Monserrat Carrillo García	IPICYT SLP	PNT-27
María Guadalupe Salas Zepeda	UANL	PHMT-06
Alexa Mirai Takahashi Pinzón	CUCEI UdG	PHME-09
Brandon Damian Cervera Villaseñor	CUCBA UdG	PNT-28
Lorena Araceli Gil Mariscal	UdG	PNT-29

Anayantzi Luna Zempoalteca	BUAP	PHME-10
Luis Miguel Flores Chagoya	CUCEI UdG	PNT-30
Marcela Patricia Acosta Páez	UdG	PNT-31
Iris Andrea Coria Zamudio	UMICH	PNT-32
Vianey Guerrero Hernández	UNAM	PHME-11
Ricardo Gutiérrez Becerra	CUCEI UdG	PHME-12
Alberto Pareira Méndez	UI	PHMT-09
Ernesto Alonso Guerrero Garcia	UACJ	PHMT-10
Esther Ramirez Meneses	UI	PNT-39
Eduardo Oswaldo Mendo Pérez	BUAP	PHME-02
Alfredo Tlahuice Flores	UANL	PNS-02

**Thursday may 30, Main Hall 4th Floor, 16:30-18:30**

Full name	Institution	Poster Code
Raúl Omar Escamilla Guevara	IPN	PHMT-02
Carlos Alfredo Zamora Valencia	UAEH	PNT-34
Laura Juliana Cortés Chacón	IPN	PHME-13
Eduardo Gutiérrez Garduño	UPVM	PHME-14
Armando Agustin Cuevas	CUCEI UdG	PNT-35
Martha Sofia Curiel Medina	ITESO	PNT-36
Carla Angélica Medina Ríos	ITESO	PNT-37
Esther Ramirez Meneses	UI	PNT-40
Juan Pablo Parada Vázquez	CUCEI UdG	PNT-41
Laura Molina Ramírez	CUCEI UdG	PNT-42
Vladimir Fernández	UdG	PNT-43
Samantha Romero	UPVM	PNT-44
Rebecca Giffard Mendoza	U de G	PHMT-12
Santos Adriana Martel Estrada	UACJ	PSME-02
Manuel Alejandro Abreu Rodríguez	UACJ	PHME-16
Josefina Alvarado Rivera	UNISON	PNT-46
Karla Andrea Salas González	Uni. Tec. Cd. Juarez	PNT-47
Citlalli Teresa Sosa Sanchez	CICESE Mty	PHME-16
Omar Eliel García García	CIATEJ	PHME-17
Samuel Gonzalez Palao	UNAM	PHMT-13
Maria Alejandra Carreon Alvarez	CU Valles, UdG	PNT-48
Hector Cruz Mejia	UPVM	PHMT-11
Jesus Rafael Bravo Angeles	UAEH	PHME-15
Angel Lorenzo Honorato Delgado	U de G	PNT-45
Jose Pizha	Yachay Tech University	PNT-23
Gerardo Alejandro Morales Morales	UNISON	PHMT-01