Technical Oral Program Nanotec2016

26th and 27th of September,
Palacio de Congresos de Valencia, Spain
Monday 26th

[Room A]

[8:30] Registration

[9:00] Welcome and Opening

*J.M. Lagarón (Conference Chairman)*

[9:15] Inaugural Conference
Molecular Nanoscience: A source of new multifunctional materials

*E. Coronado*

[10:00] COST Electrospinning
Nanomaterials Based on Renewable Resources and Polymer Nanocomposites

*A. Dufresne*

[10:30] COST Electrospinning
Polyacrylonitrile Based Conductive Polymeric Nanofibers

*A. Sezai Sarac*

[11:00] Coffee break / Posters

[11:30] COST Electrospinning
Dye functionalized polymer nanofibers for colorimetric sensors

*K. De Clerck*

[12:00] COST Electrospinning
Nanofiber Scaffolds: Enabling Regenerative Medicine

*J. Johnson*

[12:30] COST Electrospinning
Direct tissue engineering approaches for regenerative biology and medicine
Suwan N. Jayasinghe

[13:00] COST Electrospinning
High Throughput Tools and Applications of Electrospinning/Electrospraying for the Biospace

L. Markwort

[13:30] COST Electrospinning
Injectable platform hydrogel for musculoskeletal regeneration

C. Sammon

[14:00] Lunch /Posters

[15:00] COST Electrospinning
Electrospinning of nanofibers from cyclodextrin inclusion complexes with essential oils: high thermal stability, enhanced solubility, antioxidant and antibacterial properties of essential oils

T. Uyar

[15:30] COST Electrospinning
3D nanoscale imaging of electrospun nanofibre networks

Urszula Stachewicz

[16:00] Coffee break / Posters

[16:30] COST Electrospinning
Recent Advances in Sensors for Food Quality and Safety

A. Macagnano

[17:00] COST Electrospinning
Hydrogen storage as limiting step towards mobile (on board) application

Lj. Matović

[17:30] COST Electrospinning
Optimization of electrospinning technologies for the realization of light-emitting and functional nanofibers: route to industry?

*D. Pisignano*

[18:00] COST Electrospinning

From design of functional polymers to engineering of miscellaneous porous materials with various porosity scales

*D. Grande*

[18:30] COST Electrospinning

Electrospun piezoelectric nanofibers: new evidences of enhanced properties for applications in energy harvesting and sensing

*L. Persano*

[19:00] COST Electrospinning

Nanofibrous composite scaffolds for peripheral nerve tissue regeneration

*E. Kijeńska*

[19:30] COST Electrospinning

Nanotechnology applications in regenerative medicine

*Y. M. Elcin*

[Room B]

[10:00] COST ActInPak

Palladium based oxygen scavenger film: Case Studies as potential food packaging applications

*S. Yildirim*

[10:30] COST ActInPak

Application of biopolymer nanostructures in food sector

*L. Pastrana*
[11:00] Coffee break / Posters

[11:30] COST ActInPak
Potential applications of plasma functionalised nano carbons in smart and active packaging
T. C. Claypole

[12:00] COST ActInPak
Hybrid poly (lactic acid)/grafted cellulose nanofibers/nanoclay nanocomposites for controlled release of carvacrol in food packaging applications
J. Trifol

[12:30] COST ActInPak
Overview on the polymer nanofiber composites reinforced with nanocellulose
Y. Habibi

[13:00] COST ActInPak
Characterization of the morphology of food-grade electrospun fibers from whey protein and pullulan blends obtained by electrospinning
M. Krokida

[13:30] COST ActInPak
Structuring of novel poly (lactide) (PLA) blends in potential packaging application suitable for injection molding processing
Branka Pilić

[14:00] Lunch /Posters

[15:00] COST ActInPak
Nano Crystalline Cellulose (NCC), Bio-building blocks for tomorrow’s materials
C. Azerraf

[15:30] COST ActInPak
Current development of aqueous barriers on paper

*C. Kossel*

**[16:00] Coffee break /Posters**

**[16:30] COST Electrospinning**

Industrial production of Inorganic and polymeric nanofibers made by Centrifugal spinning technology

*Jan Buk*

**[17:00] COST Electrospinning**

Starch-formate compound fibers as a potential oral delivery vehicle

*A. Lancuski*

**[17:30] COST Electrospinning**

Electrospun Nanofibrous Scaffolds as Tools to Improve Crop Yields in Agriculture

*F. De Cesare*

**[18:00] COST Electrospinning**

Hybrid Electrospun Chitosan-Phospholipids Nanofibers for Transdermal Drug Delivery

*A.C. Mendes*

**[18:30] COST Electrospinning**

Nanofibers for water filtration: from lab to market

*M. Faccini*

**[19:00] COST Electrospinning**

Emulsion electrospraying for the encapsulation of catechins

*P. Paximada*

**[19:30] COST Electrospinning**
Solidity Effect of Glass Particles on Nanofiber Air Filter’s Efficiency

R. Atakan

Tuesday 27th

[Room A]

[9:00] Nanotec
Manufacturing process of cellulose nanocomposites
K. Oksman

[9:30] Nanotec
Challenges in tailoring structures at nanometric scale from food-grade ingredients
A. Vicente

[10:00] Nanotec
Improvement of properties of thermoplastic starch by incorporation of glycerol-dispersed nanofibrillated cellulose (NFC)
J.A. Méndez

[10:30] Nanotec
Mechanical characterisation of polymers with an internal nanoporous network for hydrogen storage applications
K. Polak-Kraśna

[11:00] Coffee break / Posters

[11:30] Nanotec
Electro-hydrodynamic processing as a versatile nanotechnoogy to generate highly functional composites, coatings and layers
J.M. Lagarón

[12:00] Nanotec
Obtention and characterization of PVOH/clay hybrid foamed systems using the freeze-drying technique
E.L. Sánchez-Safont

[12:30] Nanotec
LCST containing Thermoresponsive Poly(ether urethanes) for Anticancer Drug Delivery
H. Sardon

[13:00] Nanotec
AAO templates and its versatile applications
I. Blaszczyk-Lezak

[13:30] Nanotec
Potential of dielectric analysis to validate the performance of active packaging based on EVOH doped with graphene
A. Ribes-Greus

[14:00] Lunch /Posters

[15:00] Nanotec
Comparative study between properties of carbon nanotubes versus multilayer graphene in polypropylene nanocomposites
B. Galindo

[15:30] Nanotec
DNA based biosensors and biosensing in tests of quantum dots toxicity under UV irradiation
J. Labuda

[16:00] Coffee break / Posters

[16:30] Nanotec
Encapsulation of Probiotics Based on Novel Electro-hydrodynamic Processing of Application Interest in Functional Foods
C. Libran

[17:00] Nanotec

Release kinetics of carvacrol from electrospun zein nanofibers prepared by coaxial and blend electrospinning

E. Atay

[Room B]

[9:00] Nanotec
Electrospun Coatings Based on Graphene for Intelligent Packaging Applications

Y. Echegoyen

[9:30] Nanotec
Nanostructured materials by “Hard template” method for new applications

A. Garcia-Barberá

[10:00] Nanotec
Characterization of PS/PU Polymer Blend Mats for Oil Sorption Application

M. Akanbi

[10:30] Nanotec
AC Electrospraying: Advantages and Limitations

S. Castro

[11:00] Coffee break / Posters

[11:30] Nanotec
Nano-scale surface modification of PVOH-Coated Substrates for improved barrier performance

M. Schmid
12:00 Nanotec
Flexible Tellurium-PEDOT films synthesized by electrochemical deposition for thermoelectric applications
A.M. Igual

12:30 Nanotec
Antimicrobial Composites Based on Nanocopper
L. Castro

13:00 Nanotec
Antimicrobial, Antioxidant and Oxygen Scavenging Nanoclays and Nanocomposites
M. Busolo

13:30 Nanotec
3D Printing at the micro and nanoscale. An overview of applications, current challenges and opportunities
D. Olivier González

14:00 Lunch /Posters

15:00 NANOTEC
New DSCs Generation from TA Instruments
C.A. Gracia Fernández

15:30 Nanotec
The effect of solvent system and atmosphere conditions on morphology and diameter of electrospun polyimide fibers
J. Lasprilla-Botero
[16:00] Coffee break / Posters

[16:30] Nanotec
A Novel 3D Printer for Nanofibres
W. Nuansing

[17:00] Nanotec
Comparison of Guanine Signals Received from the Pencil Graphite Biosensor Surface Coated with Different Nanofibers
Y. Aykut

[17:30] Conference wrap up and closing