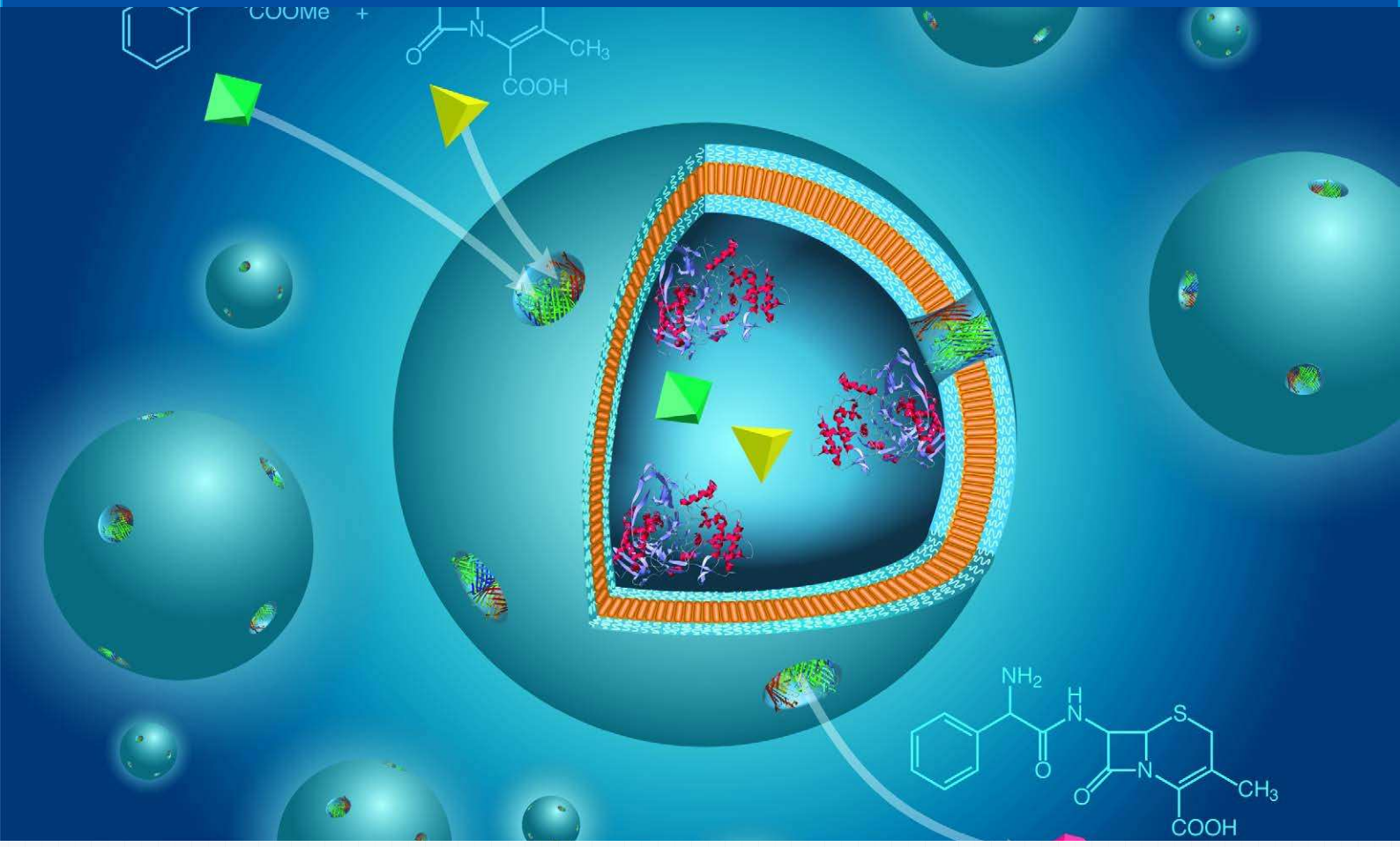
# Tentative Program

## 4th International Conference on

# Physical and Theoretical Chemistry

**September 18-19, 2017 Dublin, Ireland**




Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops

Exhibitors | B2B Meetings

## ***For available speaker slots***

physicalchemistry@chemistryconference.org

## September 18-19,2017 Dublin, Ireland

**Program at a Glance**

### Day 1

| | | | |
|---|---|---|---|
| Morning Sessions | Reception/Registration | 08.00-09.00 | |
| | | Time | General Session |
| | Least of 3 Keynote/Plenary Talks | 09.00-09.15 | Inaugural Address |
| | | 09.15-09.45 | Keynote/Plenary Talk 1 |
| | | 09.45-10.15 | Keynote/Plenary Talk 2 |
| | | 10.15-10.45 | Keynote/Plenary Talk 3 |
| | Panel Discussions/Group Photo | | |
| | **Coffee/Tea Break 10.45-11.00 (Networking)** | | |
| | 11.00-12.40 | | 5 Speakers (20 Mins Each) |
| Evening Sessions | **Lunch Break 12.40-13.30** | | |
| | 13.30-15.30 | | 6 Speakers (20 Mins Each) |
| | **Coffee/Tea Break 15.30-15.45 (Networking)** | | |
| | 15.45-17.25 | | 5 Speakers (20 Mins Each) |

Day 1 — 19 Speakers for

### Day 2

| | | | |
|---|---|---|---|
| | Time | Session 1 | Session 2 |
| Morning Sessions | 09.00-10.40 | 5 Speakers (20 Mins Each) | 5 Speakers (20 Mins Each) |
| | **Coffee/Tea Break 10.40-10.55 (Networking)** | | |
| | 10.55-12.35 | 5 Speakers (20 Mins Each) | 5 Speakers (20 Mins Each) |
| | **Lunch Break 12.35-13.25** | | |
| Evening Sessions | **13.25-15.05** | **5 Speakers (20 Mins Each)** | **5 Speakers (20 Mins Each)** |
| | Poster Sessions | | |
| | **Coffee/Tea Break 15.05-15.20 (Networking)** | | |
| | **15.20-17.00** | **5 Speakers (20 Mins Each)** | **5 Speakers (20 Mins Each)** |

Day 2 — 40 Speakers on

**NOTE: Program Schedule is subject to change with final allotment of the speaker slots**

For more Details PS: http://physicalchemistry.conferenceseries.com/
physicalchemistry@chemistryconference.org | physicalchemistry@conferencesmail.org

***Note:*** *Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal.*
***Call for Abstract:*** *http://physicalchemistry.conferenceseries.com/call-for-abstracts.php*
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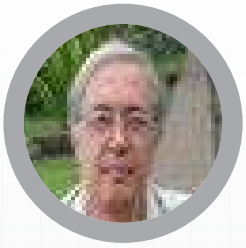
# Organizing Committee Members



**Martyn Pemble**
Stokes Professor
Tyndall National Institute and University College Cork, Ireland



**Sakari Kulmala**
Professor
Aalto University
Finland



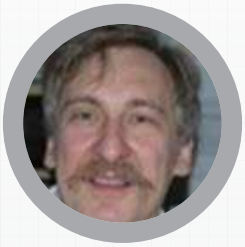
**Venelin Enchev**
Professor
Bulgarian Academy of Science
Bulgaria



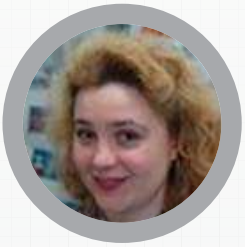
**Werner PAULUS**
University of Montpellier
France



**Daniel Ayuk Mbi Egbe**
Senior Scientist
Johannes Kepler University of Linz
Austria



**Werner Lottermoser**
Professor
University of Salzburg
Austria

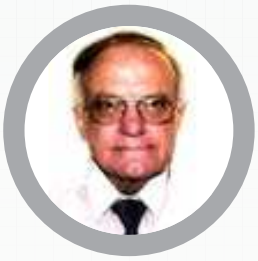


**Nina D.Dimcheva**
Plovdiv University
Bulgaria

# Keynote Speakers



**Wai-Yim Ching**
University of Missouri-Kansas City, USA



**Robert F. Tournier**
CNRS, France



**Stefan Haacke**
Strasbourg University
France



**Franziska Gröhn**
University Erlangen-Nürnberg
Germany



**Werner PAULUS**
University of Montpellier
France

# Keynote Speakers

Keynote Speech on



## Self-Assembly as Key to a Light-Responsive Shape and Function of Nano-Objects

**Franziska Gröhn**
University Erlangen-Nürnberg
Germany



*Keynote Speech on*

## Excited State Lifetimes of Isolated Iron(II) Complexes and Electron Injection into TiO2 Film

Stefan Haacke
University of Strasbourg, France

*** Note: Keynote Slots Available*

# Keynote Speakers



**Abnormal deformation behavior in a super-soft material: amorphous Zeolite imidazolate framework (a-ZIF)**

**Wai-Yim Ching**
University of Missouri-Kansas City, USA



**Homogeneous Nucleation of Solid, Liquid and Glass Phases close to Revolution**

**Robert F Tournier**
CNRS, France



**Non-stoichiometric transition metal oxides: on the interplay of structural complexity, electronic correlations and phonon assisted oxygen ion diffusion**

**Werner PAULUS**
University of Montpellier, France

*** Note: Keynote Slots Available*

# Plenary Speakers

**Title: Recent Advances in Quantum Monte Carlo: Applications to Lithium ion – Stockmayer Clusters, Hydrogen Isotopic Separation, and the investigation of excited state manifolds**

Emanuele Curotto, Arcadia University, USA

**Title: In Situ Hard X-ray Photoelectron Study of O2 and H2O Adsorption on Pt Nanoparticles**

Masaharu Oshima, University of Tokyo, Japan

**Title: Time-resolved compressibility change of reaction intermediates of photosensor protein; PixD**

Masahide Terazima, Kyoto University, Japan

**Title: Sum-Frequency Generation from Chiral Bisoxazoline Metal Complexes: Experiments and DFT calculations**

Alex Boeglin, Strasbourg University, France

**Title: Theoretical Study of the Chemical Reactions by the Combination of Quantum Mechanical and Molecular Dynamics Methods**

Toshiaki Matsubara, Kanagawa University, Japan

**Title: Gaining insights into relaxation processes in Single Molecule Magnets**

Annie K. Powell, Karlsruhe Institute of Technology, Germany

**Title: What is hidden behind a phase diagram?**

Fabienne Berthier, Univ. Paris Sud, CNRS, France

**Title: Regular variation of thermodynamic properties of binary solutions, by a common solvents and substances in the homologous series**

Suntsov Yuri K, Voronezh State University, Russia

**Title: Novel hybrid carbon materials and their applications: prognostic simulation based on hierarchical multiscale modeling**

Olga E Glukhova, Saratov State University, Russia

**Title: Kinetic theory approach to cancer-immune system competition: From cell scale to tissue scale**

Annie Lemarchand, Pierre and Marie Curie University ,France

**Title: Enhancing cycling durability of Li-ion batteries with hierarchical structured silicon-graphene hybrid anodes**

Melanie J. Loveridge, Warwick University ,UK

**Title: The golden doxorubicin: A tunable design of gold (III)-Doxorubicin complex – PEGylated nanocarrier for oncological**

Jolanda Spadavecchia, Université Paris 13 ,France

**Title: Gold Nanoparticles Characterization by Scattering Correlation Spectroscopy**

Nadia Djaker, Université Paris 13 ,France

**Title: Interaction of the solution "WATER-ATSENTONITRIL" with light wave**

M. A. Preobrazhenskii, Voronezh State University, Russia

**Title: Isolation of determined component of the empirical dependency of binary solutions physicochemical properties**

Micl Artemevich, Voronezh State University, Russia

**Title: Water interaction and dissociation on the (0001) hematite surface: a DFT+U approach**

Fabio R. Negreiros, University of ABC, Brazil

**Title: Electron coupling and electron transfer between two bridged dimolybdenum units**

Chun Yuan Liu, Jinan University, China

**Title: Characterization of protein absorption on gold nanoparticles by Scattering Correlation Spectroscopy**

Hanane Moustaoui, Université Paris 13, France

**Title: Capture and Storage of Solar Energy. Rayleigh light scattering properties of atmospheric molecular clusters.**

Kurt V. Mikkelsen, University of Copenhagen, Denmark

**Title: Thermodynamics of the molecular complex formation reactions between amino acids, peptides and 18-crown-6 in aqueous-organic mixed solvents**

Tatiana Usacheva, Ivanovo State University of Chemistry and Technology, Russia

**Title: A computational investigation of the photochemical oxaziridine conversion process of some experimentally analyzed small-chain conjugated nitrones**

Anjan Chattopadhyay, BITS-PILANI, India

**Title: Matrix isolation infrared spectroscopy and structures of weak (O-H•••π) and strongly bound (O-H•••O) binary hydrogen bonded complexes**

Pujarini Banerjee, Indian Association for the Cultivation of Science, India

**Title: Influence of Au nanoparticles on luminescence of Eu3+ in germanate films**

Georgii E Malashkevich, NASB, Belarus

**Title: Thermodynamics of the acid-base equilibria of 3Gly and complex formation reactions with Cu(II) in water-ethanol and water-dimethylsulfoxide solvents**

Lan Pham Thi, Vietnam Academy of Science and Technology, Vietnam

**Title: Influence of electric field/charge on physicochemical properties of supported nanoparticles**

Maxim V. Grishin, Semenov Institute of Chemical Physics RAS, Russia

**Title: Sorption of Benzotriazole derivatives under the conditions of reversed phase mode of high performance liquid chromatography (RP HPLC)**

Sarah A. Dzhabieva, Samara National Research University named after Academician S.P. Korolev, Russia

**Title: Pecularities of photoinduced lectron transfer processes and exciplex formation on silica and silica –titania surfaces**

Anna Eremenko, Chuiko Institute of Surface Chemistry of NAS of Ukraine, Ukraine

**Title: Single-Molecule Interfacial Electron Transfer Dynamics**

H. Peter Lu, Bowling Green State University, USA

**Title: Helium Diffraction as a Probe of Structure and Proton Order on Model Ice Surfaces**

Nadav Avidor, University of Cambridge, UK

**Title: Photo-excited Dynamics at Nanoscale Interfaces**

Run Long, Beijing Normal University, China

**Title: Controlling Structural Transitions in Metallic Nanoparticles**

Francesca Baletto, King's College London, UK

**Title: Complex magnetic phases and photo-enhanced ferromagnetism in nano-sized core-shell Prussian blue analogue cubes**

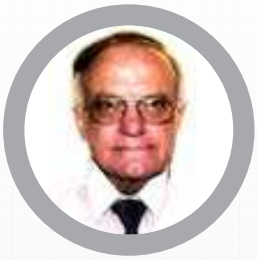
Wen-Hsien Li, National Central University, Taiwan

**Title: The Role of Anharmonicity in the Confinement Effect in Zeolites: Structure, Spectroscopy and Adsorption Free Energy of Ethanol in H-ZSM-5**

Roger Rousseau, Pacific Northwest National Laboratory, USA

***** Note: Speaker Slots Available***

# Renowned Speakers @ Physical Chemistry 2017



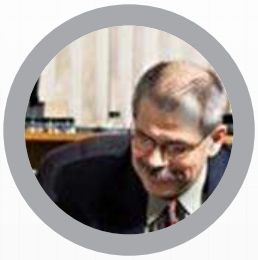
**Robert F. Tournier**
CNRS, France



**Wai-Yim Ching**
University of Missouri-Kansas City, USA



**Stefan Haacke**
Strasbourg University
France



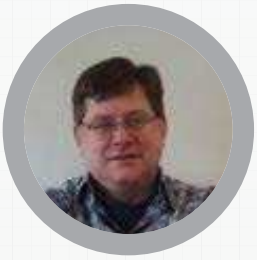
**Emanuele Curotto**
Arcadia University, USA



**Masaharu Oshima**
University of Tokyo, Japan



**Masahide Terazima**
Kyoto University
Japan



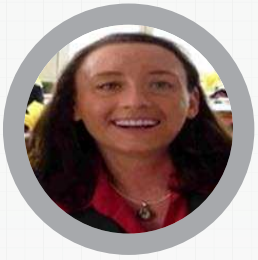
**Alex Boeglin**
University of Strasbourg
France



**Toshiaki Matsubara**
**Kanagawa University**
**Japan**



**Annie K. Powell**
Karlsruhe Institute of Technology
Germany



**Franziska Gröhn**
University Erlangen-Nürnberg
Germany



**Fabienne Berthier**
Paris-Sud University
France



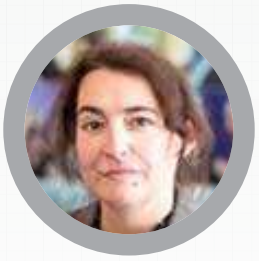
**Suntsov Yuri K**
Voronezh State University
Russia



**Olga E Glukhova**
Saratov State University
Russia



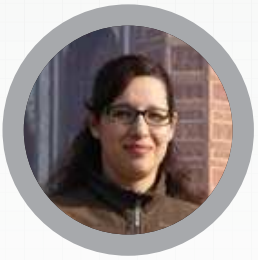
**Annie Lemarchand**
Pierre and Marie Curie University,
France



**Melanie J. Loveridge**
Warwick University
UK



**Jolanda Spadavecchia**
Université Paris 13
France



**Nadia Djaker**
Université Paris 13
France

# Conference Highlights

- Physical Chemistry: A Molecular Approach
- Physical Chemistry of Macromolecules
- Theoretical and Computational Chemistry
- Chemical kinetics
- Chemical physics
- Radiation Chemistry
- Femtochemistry
- Geochemistry
- Astrochemistry
- Photochemistry
- Solid-state chemistry
- Spectroscopy
- Surface science
- Quantum Chemistry
- Thermochemistry
- Biophysical chemistry
- Physical Organic Chemistry

**For detailed sessions, please visit:** http://physicalchemistry.conferenceseries.com/call-for-abstracts.php

**Submit your abstract online at:** http://physicalchemistry.conferenceseries.com/abstract-submission.php

**Register online:** http://physicalchemistry.conferenceseries.com/registration.php



# Speaker Benefits at Physical Chemistry 2017

- Career Guidance Workshops to the Graduates, Doctorates and Post-Doctoral Fellows
- Our robust on-line publicity attracts 430000+ users and 760000+ views to our Library of Abstracts which brings worldwide exposure to the researchers and speakers participate in our conferences.
- Speaker and Abstract pages created in Google on your name would get worldwide acknowledgment to your research profile
- Opportunity to get sponsorship for your projects
- Opportunity to Chair/Co-chair a session of your interest
- Opportunity to moderate the conference
- Accepted Abstracts will be published in respective supporting journals, each abstract will be labelled with a DOI provided by Cross Ref.
- Speaker will be felicitated with Certificate
- Best Poster Competitions and Young Researcher Competitions
- B2B meetings
- All attendees can avail 21 CPD Credits (Continuing Professional Development)
- Certificate Accreditation by the International Organizing Committee (IOCM)
- Abstracts will be published in conference souvenir & international journals
- We will include your University/Institution logo on the conference banners, books and in the conference website
- Can play the role of Honourable guest at the conference
- Speaker name and photograph will be displayed in conference website

## Venue

**Meeting Hall: Crowne Plaza Dublin Airport**

**Park Northwood, Northwood Ave**

**Dublin 9, Ireland**

**Accommodation: Holiday Inn Express**

**Park Northwood, Northwood Ave**

**Dublin 9, Ireland**





# Glimpses of Chemistry Conferences



























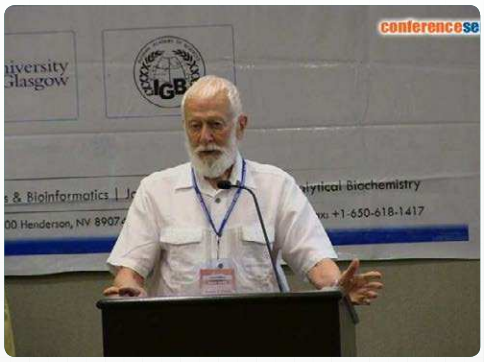






# Glimpses of Chemistry Conferences















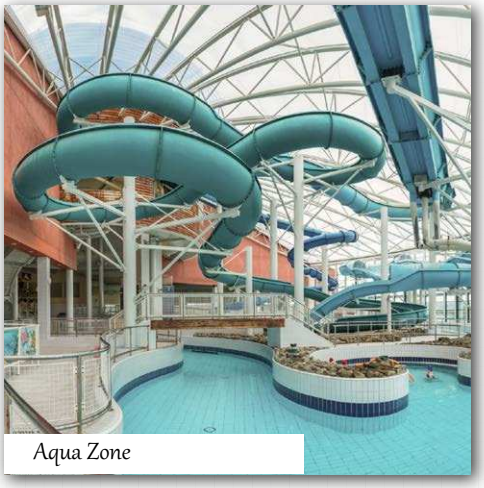




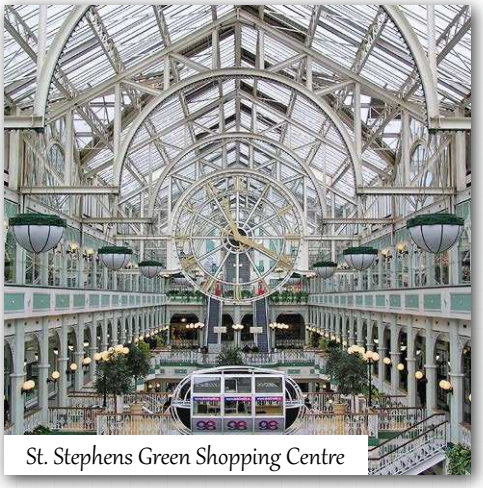




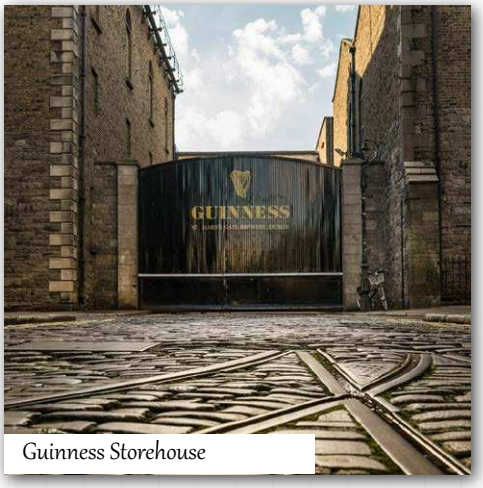

# Dublin Attractions



Aqua Zone



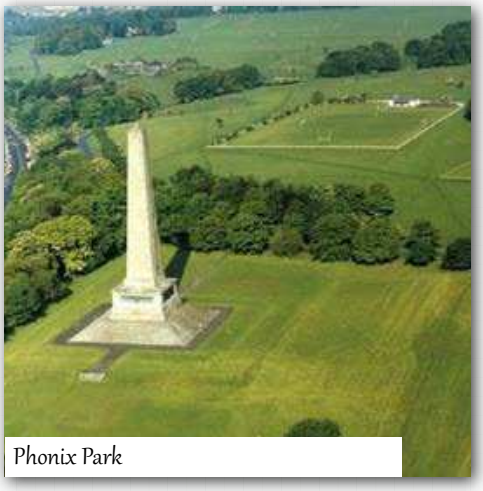
St. Stephens Green Shopping Centre




Guinness Storehouse




Irish whskey Museum



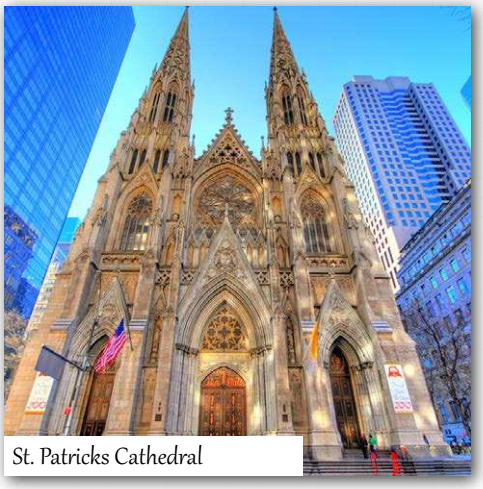
Phonix Park



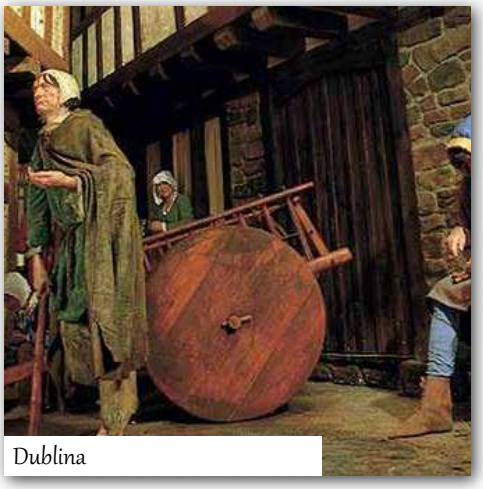
Powerscourt Waterfall




Science Gallery



St. Patricks Cathedral



Dublina