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Tentative Program

4th International Conference and Exhibition on

Medical Physics and Biophysics

July 27-28, 2017 | Rome, Italy



For available speaker slots

medicalphysics@conferenceseries.net

300+ Participation

- 14+ Interactive Sessions
- 15+ Keynote Lectures
- 75+ Plenary Lectures
- 5+ Workshops

Conference Secretariat
57 Ullswater Avenue, West End, Southampton, Hampshire, SO18 3QS, United Kingdom
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Program at A Glance

Day 1

Morning Sessions	Reception/Regist	08.00-09.00	
		Time	General Session
	List 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)		
Evening Sessions	11.00-12.40		Radiology
			Nuclear medicine
	Lunch Break 12.40-13.30		
	13.30-15.30		Oncology
			Biophysics
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25		Radiation Oncology

Day 2

Morning Sessions	Time	Session 1	Session 2
	09.00-10.40	Keynote Forum	Biomedical Physics
			Biomedical Engineering
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	Medical Devices	Tomography
			Laser & photonics
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	Biosensor	Latest Imaging Techniques
			New Technologies in Cancer Treatment
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	Clinical Physics and Patient Sa	Dosimetry

Awards & Closing Ceremony



Glimpses of Medical Physics Conferences

























Glimpses of Medical Physics Conferences













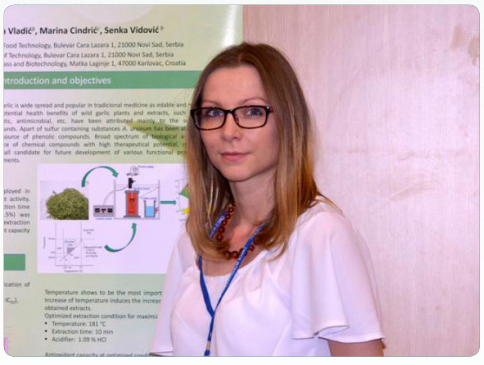












Major Scientific Sessions

- Biomedical Physics
- Oncology
- Biomedical Engineering
- Radiation Oncology
- Latest Imaging Techniques
- Nuclear medicine
- Radiology
- Medical Devices
- Dosimetry
- Laser & photonics
- Biophysics
- Tomography
- Clinical Physics and Patient Safety
- Biosensor

Best Poster Award

- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates





Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries
medicalphysics@conferenceseries.net

Conference Venue

Rome, Italy

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Best Tourist Destinations in Rome



The Colosseum



Vatican City



The Pantheon



Roman Forum



Trevi Fountain



San Giovanni in Laterano



The Spanish Steps



Vittoriano

conferenceseries.com
792nd Conference

Scientific Program

3rd International Conference on

Medical Physics & Biomedical Engineering

November 07-08, 2016 Barcelona, Spain



Hosting Organizations: Conference Series LLC
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Day 1 November 07, 2016

Registrations

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Opening Ceremony

Keynote Forum

Title: Therapeutic and Diagnostic Uses of Electromagnetic Energy and Emerging Medical Technologies from an Engineering Perspective
D. V. Giri, University of New Mexico, Mexico

Panel Discussion

Networking & Refreshments break

Title: The Particle Therapy Experience and Recent Developments
Susan B.Klein, Indiana University Bloomington, USA

Title: Monoolein-based nanocarriers for medical applications
Maria Elisabete C. D. Real Oliveira, Minho University, Portugal

Panel Discussion
Photo Session

Lunch Break

Sessions:
BioMedical Device Engineering | Bio Engineering | Radiation Oncology | Clinical Physics and Patient Safety | Biophysics | Bio Mechanics | Biomedical Physics | Dosimetry

Session Chair: Susan B.Klein, Indiana University Bloomington, USA
Session Co-chair: Peter Ertl, Vienna University of Technology, Austria

Session Introduction

Title: Evaluation of Different Knee Joint Kinematic Models
Marta Drazkowska, Poznan University of Technology, Poland

Title: Potential use of fluoride nanoparticles and rare earth doped fluoride nanoparticles in biomedicine (photodynamic therapy): cytotoxicity and photoinduced toxicity
Maksim Pudovkin, Kazan Federal University,Russia

Title: Medical Physics and Communication: Cool Hand Luke?
Richard L. Morin, Mayo Clinic Jacksonville, USA

Title: Evaluation of Mental Stress by Measuring Four Physiological Signals Simultaneously
Rabah Al abdi, Jordan University of Science and Technology, Jordan

Title: Galvanic skin response and serum orexin A levels in humans increase during aerobic exercise
Giovannai Messina, University of Foggia, Italy

Networking and Refreshments Break

Title: Extensibility of the supraspinatus muscle is affected by intramuscular fat
Hugo Giambini, Mayo Clinic, USA

Title: 1H NMR based metabolomic approach to monitoring of the head and neck cancer treatment toxicity
Lukasz Boguszewicz, Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Poland

Tittle: Radiation induced Polymerization of N-(Hydroxymethyl) Acrylamide Polymer Gel Dosimeters for Radiation Therapy
Khalid Rabaeh, Hashemite University, Jordan

Title: Regional Assessment of Ventricular Hypokinesia by Magnetic Resonance Imaging (MRI)
Narjes Benameur, University of Tunis El Manar,Tunisia

Panel Discussion

Day 2 November 08, 2016

LLOBREGAT

Keynote Forum

tTitle: Monitoring onset of bone healing kinetics and early transplant rejection using implantable titanium tdioxide-coated bioimpedance sensors
tPeter Ertl, Vienna University of Technology, Austria

Networking and Refreshments Break

Title: Metrological approach in medical measurements
Baki karaboce, National Metrology Institute of Turkey, Turkey

Sessions:
BioMedical Device Engineering | Biomaterials and Artificial organs | Biomedical Engineering and Cancer | Clinical Physics and Patient Safety | Radiology

Session Chair: D. V. Giri, University of New Mexico, Mexico
Session Co-chair: Baki karaboce, National Metrology Institute of Turkey, Turkey

Session Introduction

Title:Radiation therapy in a world of alternative treatments
Susan B.Klein, Indiana University Bloomington, USA
Title: Device-free generation of hydrogen peroxide for promoting angiogenesis by coupling Mg and Ti alloy
Myoung-Ryul ok, Korea Institute of Science & Technology, S. korea

Lunch Break

Title: Tissue engineering solutions to enhance osseointegration process of the dental implants
Aseel Al Jaboori, Leeds university, UK
Title: Analysis of dosimetric properties of alanine/epr system for low dose radiations used in radiotherapy
Abdoul Karim Mamadou Saidou, Hassan I University , Morocco
Title: Analysis of the Spectroscopic Aspects of the Cationic Dye Basic Orange 21 in bulk, and particularly in leukocytes
Zehavit Eizig, Bar Ilan University, Israel
Title: Tamoxifen's antiproliferative effects on estrogen positive and triple negative Breast cancer
Reza zohdi Aghdam, Urmia University of Medical Sciences, Iran
Title: Manufacturing and characterization of poly(3-hydroxybutyrate)/ multiwalled carbon nanotubes nanocomposite scaffold for tissue engineering application
Moein Zarei, Islamic Azad University, Iran

Networking and Refreshments Break

Title: Voxel-based finite element model of a reconstructed bone: simulating a bone tumor surgery
Azadeh Ghouchani, Amirkabir University of Technology, Iran

Poster presentations

BMMP 01	**Title: Sub-Micron Surface Plasmon Biosensors for Glucose Concentration Assessment** **Susan B.Klein,** Indiana University Bloomington, USA
BMMP 02	**Title: The 'nanotherapy' revolution: three different apllications of lipid nanosystems in therapeutics** **Maria Elisabete C. D. Real Oliveira,** Minho University, Portugal
BMMP 03	**Title: Service agreements, economic value perceived by biomedical engineers and health administrators in the adoption of service agreements for small capital medical equipment** **Suzanne Battaglia,** Medtronic International Trading Sárl, Swizerland
BMMP 04	**Title: DNA as a Catalyst in Redox, Photoinduced Proceses and Nanoscale Energy Transfer** **Tamar Giorgadze,** Javakhishvili Tbilisi State University, Georgia
BMMP 05	**Title: The determination of plasmatic activity of butyrylcholinesterase using screen printed voltammetric sensors** **Miroslav Pohanka,** Universtiy of Defence, Czech Republic
BMMP 06	**Title: Biochemical and physicochemical study of a virgin oil of Pistacia lentiscus fruits and determination of its effects on blood parameters** **Merzougui Imene,** Badji Mokhtar University, Algeria

Panel Discussions

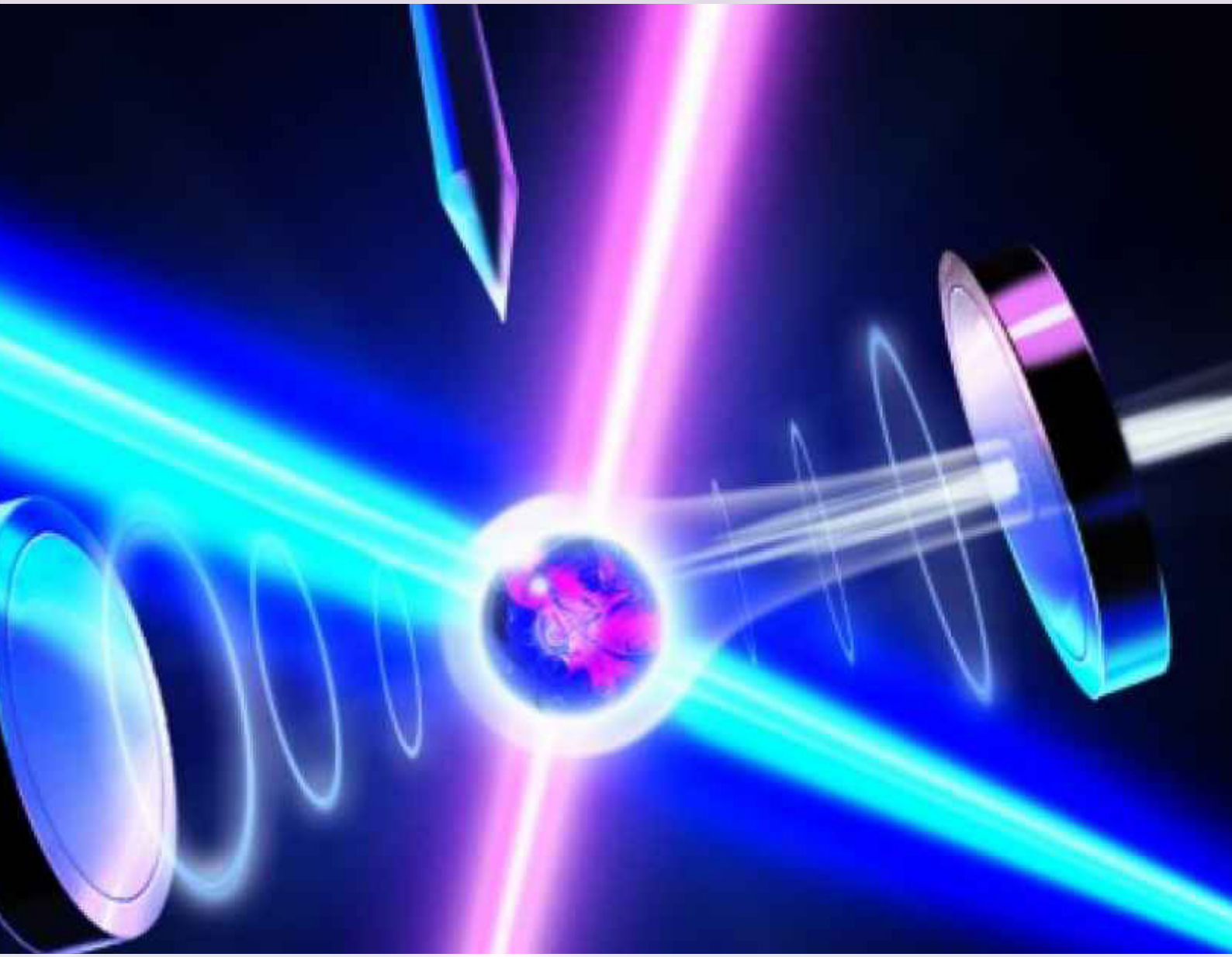
Awards & Closing Ceremony

Scientific Program

International Conference on

Medical Physics

August 03-05, 2015 Birmingham, UK



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Day 1 August 03, 2015

Registrations

Hall-4

Opening Ceremony

Keynote Forum

Introduction

Gad Shani
Ben Gurion University, Israel

Cecilia Arsene
Alexandru Ioan Cuza" University of Iasi, Romania

Networking & Refreshment Break

Nicolas Pourel
Institut Sainte-Catherine , France

Geoffrey Mitchell
Portugal and the Royal Berkshire NHS Foundation Trust, UK

Track 1:Latest Imaging techniques
Track 2: Clinical Physics and Patient saftey
Track 3:Biophyisics and Modelling

Session Chair: Geoffrey Mitchell, Portugal and the Royal Berkshire NHS Foundation Trust, UK
Session Co-Chair: Gad Shani, Ben Gurion University, Israel

Session Introduction

Title: Determination of porcine renal injury thresholds for therapeutic ultrasound
Julianna C Simon, University of Washington, USA

Lunch Break

Work shop on
How to deliver a fair and understandable information to the patient concerning its treatment
Nicolas Pourel, Institut Sainte-Catherine , France

Title: The establishment of local DRLs for ERCP – A practical tool for the optimization of patient radiation doses and for quality assurance management
Ekaterina Saukko, Turku University Hospital, Finland
Title: KARPO – The study of radiation doses in cardiological interventional procedures
Jukka Järvinen, Turku University Hospital, Finland

Networking & Refreshment Break

Title: Investigation into the etiology of the color-Doppler ultrasound twinkling artifact for kidney stone detection
Julianna C Simon, University of Washington, USA
Title: Clinical application to Arrhythmic dynamic of entropy proportion
Javier Rodríguez, Universidad el Bosque, Colombia
Title:Professor Costas Demetzos: His contribution to bridge the gap between the Biophysics and Pharmaceutical Nanotechnology
Natassa Pippa, National and Kapodistrian University of Athens, Greece

Panel Discussion

Day 2 August 04, 2015

Hall-4

Keynote Forum

Robert Davidson
University of Canberra, Australia

Sarah S Knox
West Virginia University School of Public Health, USA

Networking & Refreshment Break

William C barber
DxRay Inc, USA

Track 4: Radiation Oncology
Track 5: Neuro Engineering
Track 6: Biomedical Engineering
Track 7: Bio-informatics

Session Introduction

Session Chair: William C Barber, DxRay Inc, USA

Session Co-Chair: Robert Davidson, University of Canberra, Australia

Title: Radiation workers dose analysis in medical practices at hamad medical corporation in Qatar
Huda. M. Al- Naemi, Hamad Medical Corporation, Qatar
Title:Integrative analysis of cancer imaging readouts by networks
Marco Dominietto, University of Basel, Switzerland

Lunch Break

Title: Pre-therapy initial dosimetry results of Lu-177-PSMA-DOTA-617 in castration resistant prostate cancer
Mohammad abuqbetiah, Istanbul University, Turkey
Title: Pharmaceutical Fractal-omics: The application of –omics in design and development o advanced Drug Delivery nano Systems
Natassa Pippa, National and Kapodistrian University of Athens, Greece
Title: Knowledge and attitude of Togolese radiographers on medical Irradiation of pregnant Women.
Adambounou Kokou, University of Loma, Togo
Title: Mathematics physical assessment of cardiac dynamics based on theory of probability and proportions of entropy in the intensive care unit for patients with arrhythmia
Javier Rodríguez, Universidad Militar Nueva Granada, Colombia
Title: Additive manufacturing – Basic research activities in the area of powder and beam based processes
Maximilian Drexler, Collaborative Research Centre, Germany.

Networking & Refreshment Break

Title: Polyvinylpyrrolidone phantom at ice-water temperatures as a multiple parameter quantitative MR quality control test object
Marianthi-Vasiliki Papoutsaki, Institute of Cancer Research, UK
Title: fMRI: From the clinic to beyond
Arshad Zaman, University of Leeds, UK

Panel Discussion

Poster Presentations

Day 3 **August 05, 2015**

Hall-4

Track 8: New Technologies In Cancer Treatment
Track 9: Signalprocessing in Biomaterials
Track 10: Surgery Through Image Guided Therapies and their Modellings
Track 11: Biosensor

Session Introduction

Session Chair: Giovanni Borasi, Italian National Research Council, Italy

Title: Combining focused ultrasound and radiotherapy for synergic new treatments in Oncology
Giovanni Borasi, Italian National Research Council, Italy
Title: Separation of Cu radioisotopes from a nickel target using cation-exchange chromatography
Xianfeng Fan, The University of Edinburgh, UK

Networking & Refreshment Break

Title: Simulation of Ultrasoft X-rays induced DNA damage using Geant4
Amir S. H. Rozatian, University of Isfahan, Iran
Title: Bone marrow dosimetry and lesion absorbed dose determination in distal metastatic differentiated thyroid cancer
Mohammad abuqbetiah, Istanbul University, Turkey
Title: Fractal physiology of tumor angiogenesis
Marco Dominietto, University of Basel, Switzerland
Title: Knowledge and perception of Nuclear Medicine by Togolese physicians
Adambounou Kokou, University of Loma, Togo

Lunch Break

Title: Thyroid Remnants Therapeutic Dose Determination Using a Small Field of View Gammacamera; Pilot Study
Pavel Solny, Czech Technical University in Prague, Czech Republic

Award Ceremony

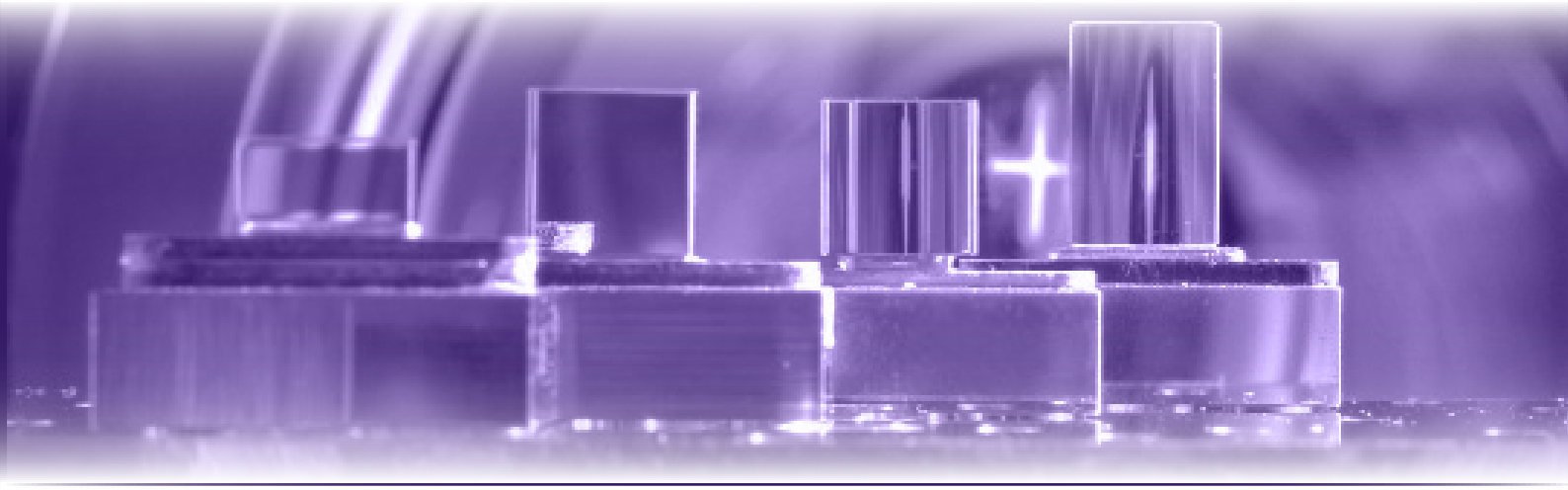
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2nd International Conference on

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November 07-08, 2016 Barcelona, Spain

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