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Menieri

3rd European Congress of Medical Physics

Embracing Change, Sharing Knowledge



11° Congresso Nazionale AIFM

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16-19 June 2021



VIRTUAL EDITION

LIVE SESSION • PRELIMINARY PROGRAMME



ECMP 2020 welcomes



Sociedad Española
de Física Médica



Scientific Programme

updated April 30, 2021

WEDNESDAY 16 JUNE 2021

Time table	LIVE ROOM	LIVE ROOM	LIVE ROOM	LIVE ROOM
9:00 17:00	<p>AIFM DAY 11° AIFM National Congress</p>	<p>Precongress EFOMP School (ESMPE) <i>Satellites in:</i> Artificial Intelligence</p>	<p>Precongress EFOMP School (ESMPE) <i>Satellites in:</i> Nuclear Medicine Dosimetry</p>	<p>Precongress EFOMP School (ESMPE) <i>Satellites in:</i> Patient Specific QA in Radiotherapy</p>



THURSDAY 17 JUNE 2021

Time table	LIVE ROOM • TORINO	LIVE ROOM • PIEMONTE
	RT	ECSK
8:00	<p style="text-align: center;">Refresher Course RT Radiotherapy: Small Field Dosimetry. Development and Challenges <i>Chair: Nuria Jornet [ES]</i></p> <p style="text-align: center;">New Developments and Detectors for Small Field Dosimetry. <i>Hugo Palmans [UK]</i></p> <p style="text-align: center;">Challenges and Opportunities of Small Field Dosimetry in Clinical Practice. <i>Paolo Francescon [IT]</i></p>	<p style="text-align: center;">Refresher Course in ECSK Embracing Change, Sharing Knowledge <i>Chair: Leonard Wee [NL]</i></p> <p style="text-align: center;">Biological Basis for Occupational Dosimetry and Dose Limits. <i>Klaus Rüdiger Trott [DE]</i></p> <p style="text-align: center;">Small Field Dosimetry for QA of Stereotactic Radiotherapy. <i>Serenella Russo [IT]</i></p>
9:00	<i>Live Discussion & Coffee Break</i>	
9:30	<p style="text-align: center;">Scientific Session <i>Chair: Jens Edmund [DK]</i></p> <p style="text-align: center;">Keynote • Automated Treatment Planning. Potentials and Limitations. <i>Ben Heijmen [NL]</i></p>	<p style="text-align: center;">Scientific Session <i>Chair: Marco Brambilla [IT]</i></p> <p style="text-align: center;">Keynote • Monte Carlo in Imaging.</p>
	Scientific Talks	Scientific Talks
11:00	<i>Live Discussion & Coffee Break</i>	
11:30	<p style="text-align: center;">Joint Session ESTRO Challenges of Integration between the Different Disciplines in Medical Physics Related to Hybrid Equipment <i>Chairs: Efi Koutsouveli [GR, EFOMP], Daniela Thorwarth [DE, ESTRO]</i></p> <p style="text-align: center;">Challenges and Potentials of Surface Guided Radiotherapy.</p> <p style="text-align: center;">The Value of Quantitative Imaging from Hybrid PET-CT for the Development of Personalised Approaches to Radiation Therapy.</p> <p style="text-align: center;">MR-guided Radiotherapy: Working at the Boundary of MR Physics and RT Physic.</p>	<p style="text-align: center;">Joint Session EuSoMII Deep-Learning Applications in Mammography Technical Challenge.</p> <p style="text-align: center;">Clinical Implementation and Evaluation.</p> <p style="text-align: center;">Integration in the Workflow of the Radiology Ecosystem: a European Deployment.</p>
12:30	<i>Live Discussion</i>	
12:50	<i>Lunch Break and Satellite Symposia</i>	



THURSDAY 17 JUNE 2021

Time table	LIVE ROOM • TORINO	LIVE ROOM • PIEMONTE
	RT	ECSK
14:00	<p>ECMP Welcomes Spain: Brachytherapy</p> <p>In-vivo Dosimetry in Brachytherapy. Skin Brachytherapy. New Algorithms in Brachytherapy Dosimetry. Cervix Brachytherapy.</p>	<p>Scientific Session</p> <p>Keynote • Radiomics in Multimodality Imaging. <i>Dimitris Visvikis [FR]</i></p>
		<p>Scientific Talks</p>
15:30	<p><i>Live Discussion & Coffee Break</i></p>	
16:00	<p>Scientific Session</p> <p>Keynote • Innovative Techniques in Radiotherapy. <i>Yolanda Prezado [FR]</i></p>	<p>Scientific Session</p> <p>Chair: <i>Jonas Andersson [SE]</i></p> <p>Keynote • Medical Device Integration with IT Networks.</p>
	<p>Scientific Talks</p>	<p>Scientific Talks</p>
17:30	<p><i>Live Discussion</i></p>	



FRIDAY 18 JUNE 2021

Time table	LIVE ROOM • TORINO	LIVE ROOM • PIEMONTE
	NM	RPD, BME, DIR
8:00	<p>Refresher Course in NM Nuclear Medicine: Theranostics <i>Chair: Manuel Bardies [FR]</i> State of the Art in Nuclear Medicine Theranostics. <i>Glenn Flux [UK]</i> New Theranostic Isotopes.</p>	<p>Special Focus Session in RPD Radiation Protection and Dosimetry <i>Chair: Antonio Lallena [ES]</i> Keynote • DRLs: The Good, The Bad and The Ugly. <i>Madan Rehani [USA]</i> Results from EUCLID (European Study on Clinical DRLs). <i>John Damilakis [GR]</i></p>
9:00	<i>Live Discussion & Coffee Break</i>	
9:30	<p>Scientific Session <i>Chair: Stefaan Vandenberghe [BE]</i> Keynote • The First Total Body PET Scanner (EXPLORER).</p>	<p>Scientific Session Keynote • Examples of Practical and Clinical Consequences after Implementing Dose Monitoring. <i>Elina Samara [CH]</i></p>
	Scientific Talks	Scientific Talks
11:00	<i>Live Discussion & Coffee Break</i>	
11:30	<p>Joint Session Quality Control in Hybrid MR Imaging Challenges of Quality Assessment and Control in Hybrid Imaging. <i>Bernhard Sattler [DE]</i> Quality control in the MR LINAC. <i>Andreas Wetscherek [UK]</i> Quality Control in PET-MR.</p>	<p>Joint Session ESR - Multiple Imaging Examinations</p>
12:30	<i>Live Discussion</i>	
12:50	<i>Lunch Break and Satellite Symposia</i>	



FRIDAY 18 JUNE 2021

Time table	LIVE ROOM • TORINO	LIVE ROOM • PIEMONTE
	NM	RPD, BME, DIR
14:00	<p style="text-align: center;">Scientific Session</p> <p style="text-align: center;">Keynote • Dosimetry in Nuclear Medicine. <i>Manuel Bardies [FR]</i></p>	<p style="text-align: center;">Scientific Session</p> <p style="text-align: center;">Clinical Applications of Spectral Imaging and Dynamic CT. <i>Nico Buls [BE]</i></p>
	Scientific Talks	Scientific Talks
15:30	<i>Live Discussion & Coffee Break</i>	
16:00	<p style="text-align: center;">Scientific Session</p> <p style="text-align: center;">Chair: Bernhard Sattler [DE]</p> <p style="text-align: center;">Keynote • Quantitative SPECT. <i>Brian Hutton [UK]</i></p>	<p style="text-align: center;">Scientific Session</p> <p style="text-align: center;">Chair: Daniela Thorwarth [DE]</p> <p style="text-align: center;">Monte Carlo Unusual Applications. <i>Antonio M. Lallena [ES]</i></p>
	Scientific Talks	Scientific Talks
	<p style="text-align: center;">Medal award Jim Malone</p> <p style="text-align: center;">Images and Reflections for Medical Physics: Ten Artworks to Challenge and Inspire.</p>	
17:30	<i>Live Discussion</i>	



SATURDAY 19 JUNE 2021

Time table	LIVE ROOM • TORINO	LIVE ROOM • PIEMONTE
	DIR	PROF, E&T
8:00	<p style="text-align: center;">Refresher Course in DIR Diagnostic and Interventional Radiology: Artificial Intelligence in DIR <i>Chair: Nico Bols (BE)</i></p> <p>Practical Machine Learning for Clinical Scientists. Computational Medical Imaging and Machine Learning-methods, Infrastructure and Applications.</p>	<p style="text-align: center;">Special Focus Session in Professional Matters Professional Matters <i>Chair: Adriaan Lammertsma (NL)</i></p> <p>Mentorship Model to Guide Resident Physicists. <i>Markus Buchgeister (DE)</i></p> <p>Retrospective Look Through 20 Years of Physica Medica - European Journal of Medical Physics.</p>
9:00	<i>Live Discussion & Coffee Break</i>	
9:30	<p style="text-align: center;">Scientific Session</p> <p>Keynote • Patient Specific Dosimetry in CT (AAPM-EFOMP TG-246). <i>Jonas Andersson (SE)</i></p>	<p style="text-align: center;">Scientific Session <i>Chair: Carmel Caruana (MT)</i></p> <p>Keynote • Education, Training and Registration of MPEs in Europe: an Overview. <i>Ad Maas (NL)</i></p>
	Scientific Talks	Scientific Talks
11:00	<i>Live Discussion & Coffee Break</i>	
11:30	<p style="text-align: center;">Joint Session AAPM Cutting Edge Technologies in CT <i>Chair: Mika Kortensniemi (FI)</i></p> <p>High Resolution CT with Scintillating Detectors. <i>Ioannis Sechopoulos (NL)</i></p> <p>Photon Counting Detector CT. AI Applications in CT Image Formation. <i>Marc Kachelrieß (DE)</i></p>	<p style="text-align: center;">Scientific Session <i>Chair: Alberto Torresin (IT)</i></p> <p>Keynote • History and Future of EUTEMPE-RX.</p>
		Scientific Talks
12:30	<i>Live Discussion</i>	
12:50	<i>Lunch Break and Satellite Symposia</i>	



SATURDAY 19 JUNE 2021

Time table	LIVE ROOM • TORINO	LIVE ROOM • PIEMONTE
	DIR	PROF, E&T
14:00	<p>Scientific Session Chair: Marianne Aznar (UK) Keynote • New Technologies in Hadron Therapy.</p>	<p>Scientific Session Chair: Dimitris Visvikis (FR) Keynote • Radiomics for Nuclear Medicine.</p>
	Scientific Talks	Scientific Talks
15:30	<i>Live Discussion & Coffee Break</i>	
16:00	<p>Scientific Session Chair: Simona Avramova (BG) Keynote • New Technologies for Mammography Imaging. Gisella Gennaro (IT)</p>	<p>Scientific Session PENH, a PENELOPE Extension for Proton Transport.</p>
	Scientific Talks	Scientific Talks
	<p>ECMP Plenary Session Chair: Mika Kortesiemi (FI) The Data-driven Future of Medical Physics Leonard Wee (NL)</p>	
17:30	<i>Live Discussion</i>	
18:00	<p>Closing of the Virtual ECMP2020 and Looking forward to ECMP 2022 Mika Kortesiemi (FI), Paddy Gilligan (IE)</p>	