



مستشفى الملك فيصل التخصصي ومركز الأبحاث  
King Faisal Specialist Hospital & Research Centre  
مؤسسة عامة Gen. Org.



# 7<sup>th</sup>

# ICRM2022

## INTERNATIONAL CONFERENCE ON RADIATION MEDICINE

Virtual Event, Hosted by King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

12 - 16 RAJAB 1443 | 13 - 17 FEBRUARY 2022

CLINICAL APPLICATIONS AND INNOVATIVE APPROACHES

Overview

The 3D Printing sub-track is a major component of the Emerging Technologies track, it highlights the clinical implementation of 3D printing in clinical settings. Starting from the workflow of 3D printing, to regulations and challenges facing the clinical implementation of such technology on patients, finally we will discuss an example of a whole thoracic surgery workflow.

Topics

- Introduction and Work flow of Inhouse 3D Printing
- 3DP Regulation and Challenges
- 3DP in Cardiothoracic
- 3DP Quality Assurance Program
- 3DP in Thoracic Surgery
- 3D Visualization in Thoracic Surgery
- 3D Segmentation in Thoracic Surgery
- 3DP & Manufacturing in Thoracic Surgery
- 3DP Applications in Thoracic Surgery



## Emerging Technologies Track



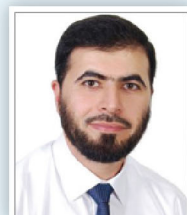
## 3D Printing Sub-Track

Monday, February 14, 2022 | Time: 16:00-21:00

### Speakers/Scientific Committee Members



**Adnan Sheikh, MD**  
Musculoskeletal Radiologist,  
Dept. of Medical Imaging  
Director, MSK MRI & Research  
Vancouver Coastal Health  
Vancouver, Canada



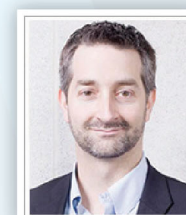
**Ahmad Nobah, MSc, DABR**  
Radiation Oncology  
Physicist, Head, Emerging  
Technologies Unit, Biomedical  
Physics Department  
King Faisal Specialist  
Hospital & Research Centre  
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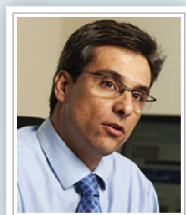
**Donato Monopoli, PhD**  
Head, Biomedical  
Engineering Dept.,  
Instituto tecnológico,  
Canary Islands, Spain



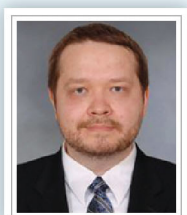
**Frank Rybicki, MD**  
Vice Chair, Operations and  
Quality, Univ. of Cincinnati  
Department of Radiology  
Director, Medical Affairs,  
Imagia, Montreal, Canada



**François DeBlois, PhD**  
Chief, Physics in Radiation  
Oncology, Centre Hospitalier  
Universitaire de Montreal  
Assistant Professor,  
University of Montreal  
Adjunct Professor, McGill  
University, Montreal, Canada



**Juan Ruiz Alzola, MD**  
Professor, Imaging  
Technologies  
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**Leonid Chepelev, MD, PhD**  
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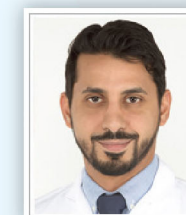
**Mónica García, PhD**  
Laboratorio del Grupo de  
Tecnología Médica y Audiovisual  
Instituto Universitario de  
Investigaciones Biomédicas y  
Sanitarias (IUIBS)  
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**Norberto Rodriguez, MD**  
Consultant & Section Head,  
Thoracic Surgery &  
Lung Transplant  
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**Prashanth Ravi, PhD**  
Assistant Professor,  
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College of Medicine,  
University of Cincinnati  
Cincinnati, Ohio, USA



**Waleed Althobaity, MD**  
Consultant, Musculoskeletal  
Radiology, Radiology Department  
Head, 3D Printing Services  
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Chair: **Ahmad Nobah, MSc**  
Co-chair: **Waleed Althobaity, MD**  
Co-chair: **Ahmad Abusalah, PhD**

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