Société Française de Radiologie

30 - 31 janvier 2020

Foundation course on ARTIFICIAL INTELLIGENCE IN RADIOLOGY

Ville: Rome
Pays: Italie
Site web: http://www.esor.org/cms/website.php?id=/en/programmes/foundation_course_Artificial-Intelligence-in-Radiology.htm

Informations logistiques:

Retour

The AI Foundation Course is aimed at providing the basis of AI and radiomics to the practicing radiologist and to illustrate what will be the professional impact, on ethics, workflow and education. A review of the developing clinical applications will help to understand how the clinical practice of radiologists will change in the near future.

Internationally renowned experts will ensure a high quality teaching programme.

- to learn the basic principles of AI and Radiomics
- to review the developing clinical applications of AI and Radiomics
- to explore ethical aspects and new applications of AI in the modern radiological department

Programme flyer including learning objectives by topic - coming soon

13:00-13:45	Registration
13:45-14:00	Welcome and introduction
14:00-15:30	*Session 1: Getting started* *Chair: C. Catalano, Rome/IT*
14:00-14:20	Entering the era of intelligent machines: history and early applications A. Mei, Rome/IT
14:20-14:40	Deep learning in medical imaging: basic concepts for radiologists B. Gallix, Strasbourg/FR
14:40-15:00	From texture to deep radiomic L. Fournier, Paris/FR
15:00-15:30	Discussion
15:30-16:00	Coffee break
16:00-18:00	*Session 2: AI training and ethics* *Chair: A. Brady, Cork/IE*
16:00-16:20	How to train AI: factors and limitations N. Papanikolaou, Lisbon/PT
16:20-16:40	Imaging biobanks for AI training L. Marti-Bonmati, Valencia/ES
16:40-17:00	Ethical aspects for the management of sensitive data A. Brady, Cork/IE
17:00-17:20	AI in education C. Catalano, Rome/IT
17:20-18:00	Discussion

09:30-11:00	*Session 3: AI integration in a modern radiology department* *Chair: L. Marti-Bonmati, Valencia/ES*
09:30-09:50	How to convert digital images into a mineable source of data N. Papanikolaou, Lisbon/PT
09:50-10:10	How does AI help in image triage? C. Catalano, Rome/IT
10:10-10:30	How does AI help in post-processing and quantitative imaging? T. Leiner, Utrecht/NL
10:30-11:00	Discussion
11:00-11:30	Coffee break
11:30-12:30	*Session 4: Emerging topics* *Chair: D. Regge, Candiolo/IT*
11:30-11:45	AI in blockchain E. Neri, Pisa/IT
11:45-12:00	AI-assisted image-guided interventions B. Gallix, Strasbourg/FR
12:00-12:15	AI for prediction of therapeutic response G. Morana, Treviso/IT
12:15-12:30	Discussion

12:30-13:30	Lunch break
13:30-17:30	*Session 5: AI use cases* *Chairs: C. Catalano, Rome/IT; T. Leiner, Utrect/NL*
13:30-13:50	Cardiovascular M. Francone, Rome/IT
13:50-14:10	Lung cancer M.-P. Revel, Paris/FR
14:10-14:30	Breast F. Pediconi, Rome/IT
14:30-15:00	Coffee break
15:00-15:20	Prostate V. Panebianco, Rome/IT
15:20-15:40	Rectal cancer D. Caruso, Rome/IT
15:40-16:00	Whole body D. Regge, Candiolo/IT
16:00-16:20	CNS A. Radbruch, Heidelberg/DE
16:20-16:40	Liver G. Morana, Treviso/IT
16:40-17:00	Discussion
17:00-17:20	ESR statement E. Neri, Pisa/IT
17:20-17:30	Closing remarks
17:30	Certificate of attendance