



**EACVI**  
European Association of  
Cardiovascular Imaging  
European Society of Cardiology

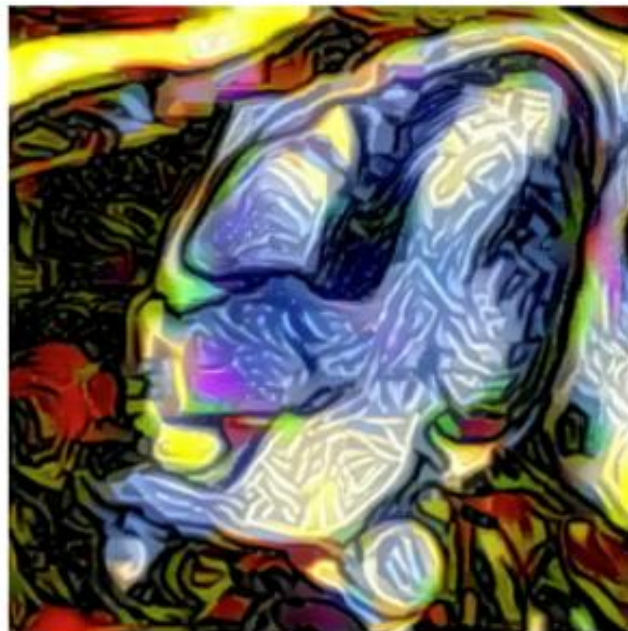


**SCMR**  
Society for Cardiovascular  
Magnetic Resonance

**Artificial Intelligence in  
Cardiovascular Magnetic Resonance Imaging  
A joint summit of EACVI and SCMR**

**- 5-6 May 2022 -**

**Royal College of Physicians, London, UK**



# Course Programme

## Scientific Programme Committee:

- ❖ Subha Raman (USA): Co-Chair  
*SCMR Immediate Past-President*
- ❖ Bernhard Gerber (Belgium): Co-Chair  
*EACVI Vice-President / CMR Section Chair*
- ❖ Robin Nijveldt (Netherlands): Abstract Chair
- ❖ Claudia Prieto (UK): Member
- ❖ Tim Leiner (Netherlands): Member
- ❖ Daniel Rueckert (UK): Member

## Organising Committee:

- ❖ Chiara Bucciarelli-Ducci (UK)  
*SCMR Chief Executive Officer*
- ❖ Steffen E. Petersen (UK)  
*EACVI President-Elect*
- ❖ Sven Plein (UK)  
*SCMR President*

## Day 1 – Thursday 5 May

### 09:00-11:00 Registration

10:45-11:00 Welcome and Orientation to the Program – *Bernhard Gerber (Belgium) & Subha Raman (USA)*

**11:00-11:30 Opening Plenary: The Premise for AI in Healthcare and how to bring it to the clinician – *Steffen Petersen (UK) & Tim Leiner (NL)***

**11:30-13:45 Session I: Acquisition – *Chairpersons: Oscar Camara (Spain) & Katia Menacho (Peru)***

11:30-11:45 Fast CMR - clinical practice and unmet needs – *Subha Raman (USA)*

11:45-11:50 Q&A

11:50-12:05 AI for Faster CMR - Technique Talk I – *Rizwan Ahmad (USA)*

12:05-12:20 AI for Faster CMR - Technique Talk II – *Nicole Seiberlich (USA)*

12:20-12:35 AI for CMR across scanners, sites and populations – *Sotirios Tsaftaris (UK)*

12:35-12:45 First Top abstract: faster CMR acquisition (7'/3')

12:45-13:00 Panel discussion: where should we be going?

13:00-13:20 Industry show case by Circle Cardiovascular Imaging

13:25-13:45 Industry show case by Arterys

**13:45-14:45 Lunch break / Exhibits & posters - CMR acquisition**

**14:45-17:00 Session II: Postprocessing – *Chairpersons: Bernhard Gerber (Belgium) & Sven Plein (UK)***

14:45-15:00 CMR Postprocessing - clinical practice and unmet needs – *Jeanette Schulz-Menger (Germany)*

15:00-15:05 Q&A

15:05-15:20 AI for CMR postprocessing - Technique Talk I – *Hui Xue (USA)*

15:20-15:35 AI for CMR Postprocessing - Technique Talk II – *Olivier Bernard (France)*

15:35-15:50 AI for CMR Postprocessing - Technique Talk III – *Qian Tao (Netherlands)*

15:50-16:00 Top abstract: CMR postprocessing (7'/3')

16:00-16:10 Panel discussion: where should we be going?

**17:00-19:00 Social event**

## Day 2 - Friday 6 May

### **08:00-10:15 Session III: CMR Reporting – Chairpersons: Jan Bogaert (Belgium) & Behzad Sharif (USA)**

08:00-08:15 CMR reporting - clinical practice and unmet needs – *James Moon (UK)*

08:15-08:20 Q&A

08:20-08:35 AI for CMR Reporting - Technique Talk I – *Nay Aung (UK)*

08:35-08:50 AI for CMR Reporting - Technique Talk II – *Karim Lekadir (Spain)*

08:50-09:05 AI for CMR Reporting - Technique Talk III – *Behzad Sharif (USA)*

09:05-09:15 Top abstract: CMR reporting (10'/5')

09:50-09:30 Panel discussion: where should we be going?

### **09:30-10:30 Coffee break / Exhibits & posters - CMR postprocessing and reporting**

### **10:30-12:30 Session IV: Standardization – Chairpersons: Michael Salerno (USA) & Eike Nagel (Germany)**

10:30-10:45 CMR Standardization - clinical practice and unmet needs – *Kathryn Keenan (USA)*

10:45-10:50 Q&A

10:50-11:05 AI for CMR Standardization - Technique Talk I – *Daniel Rueckert (UK)*

11:05-11:20 AI for CMR Standardization - Technique Talk II – *Martin Uecker (Germany)*

11:20-11:35 AI for CMR Standardization - Technique Talk III – *Declan O'Regan (UK)*

11:35-11:45 Second Top abstract: CMR standardization (7'/3')

11:45-12:30 Panel discussion: where should we be going?

### **12:30-13:30 Satellite Symposium by Circle Cardiovascular Imaging**

### **13:30-14:15 Lunch break / Exhibits & posters**

### **14:15-15:45 Session V: Discovery in Cardiomyopathies via AI in CMR – Chairpersons: Nicole Seiberlich (USA) & Steffen Petersen (UK)**

14:15-14:30 Cardiomyopathies - clinical practice and unmet needs – *Robert Manka (Switzerland)*

14:30-14:35 Q&A

14:35-14:50 AI for Cardiomyopathy Discovery - Technique Talk I – *Vincente Grau (UK)*

14:50-15:05 AI for Cardiomyopathy Discovery - Technique Talk II – *Bharath Venkatesh (USA)*

15:05-15:20 AI for Cardiomyopathy Discovery - Technique Talk III – *Alistair Young (UK)*

15:20-15:30 Top abstract: Discovery via AI/CMR in cardiomyopathy (7'/3')

15:30-15:45 Panel discussion: where should we be going?

### **15:45-16:30 Coffee break / Exhibit & posters - Discovery via AI in CMR**

### **16:30-17:50 Closing Plenary Session: Regulatory Considerations**

16:30-16:40 Regulations on AI Research in Europe – *Fabien Hyafil (France)*

16:40-17:10 Regulations on AI Research in the Americas – *Nicholson Price (USA)*

17:10-17:30 Multinational AI Research: How to Engage Globally – *Claudia Prieto (UK)*

17:30-17:50 Roundtable Discussion and Summit Takeaways