

Minutes

DICOM WORKING GROUP 12 Ultrasound

Date and Time: Monday, February 4, 2019
10:30am – 11:30 US ET

Presiding Officers: Joe Luszcz, Philips, Producer Co-Chair of WG-12 (Stepping down)
Bruce Bray, University of Utah, User Co-Chair of WG-01
Antje Schroeder, Siemens Healthcare GmbH, Producer Co-Chair of WG-01

DICOM Secretariat Lisa Spellman, General Secretary, DICOM

Present	First Name	Last Name	Organization	Voting Status
P	Donald	Peck	AAPM	Observer
P	Bruce	Bray	ACC/University of Utah Health Care	Voting
	Terry	Dillon	Agfa HealthCare	Observer
	Willy	Rose	Agfa HealthCare	Observer
	Ramona	Shirley	Agfa HealthCare	Voting
	Paul	Varghese	American College of Cardiology	Observer
P	Emmanuel	Cordonnier	b<>com	Observer
	Jens	Rasmussen	B-K Medical ApS	Observer
	Hugo	Robert	Bracco Diagnostics Inc.	Observer
P	Kevin	O'Donnell	Canon Medical Research USA, Inc.	Voting
	Kazuya	Akaki	Canon Medical Systems USA, Inc.	Observer
	Christy	Adams	Carestream Health, Inc.	Observer
	Jay	Na	Carestream Health, Inc.	Observer
	Jun	Sun	Carestream Health, Inc.	Observer
	Elliot	Silver	Change Healthcare	Observer
	Edwood	Yiu	Change Healthcare	Observer
	James	Rogers	Coastal Consulting Group, Ltd.	Observer
	Tom	Probasco	Dimatics, Inc.	Observer
	Masao	Kobayashi	EBM Technologies Japan, Inc.	Observer
	Marco	Maglione	Esaote	Observer

P	Stefano	Pedri	Esaote	Observer
	Luigi	Pampana-Biancheri	ESAOTE S.p.A.	Observer
	Wojtek	Grabski	Flux Inc.	Observer
	John	Freeland	Freeland Systems	Observer
	William	Hensen	FUJIFILM Sonosite, Inc.	Observer
	Karl-Heinz	Fleischer	GE Healthcare	Observer
P	Steven	Nichols	GE Healthcare	Observer
P	Gopi	Pattaswamy	GE Healthcare	Voting
	Brian	Lenz	GE Healthcare, Ultrasound	Observer
	Bernard	Stumpf	Heartlab	Observer
P	Ravi	Managuli	Hitachi Healthcare Americas	Observer
	Dai	Shinohara	Hitachi, Ltd. Healthcare Business Unit	Observer
	Michel	Claudon	Hôpital d'Enfants - Hôpital Jeanne d'Arc	Observer
	Jean-Yves	Meuwly	Hospices Cantonaux Centre hospitalier universitaire vaudois	Observer
	Karla	Patten	Independent Consultant	Observer
	Leodan Vega	Izaguirre	Informatics Science University	Observer
	William	Shepherd	iVu Imaging Corporation	Observer
	Varsha	Garg	Jaypee Institute of Information Technology	Observer
	Karan	Grover	Jaypee Institute of Information Technology	Observer
	Jaspreet	Singh	Jaypee Institute of Information Technology	Observer
	Aditya	Jain	JIIT	Observer
	Akshay	Sharma	JIIT	Observer
	Harry	Solomon	Laitek	Observer
	Douglas	Sluis	Laitek Inc.	Observer
	Monica	Mojica	Mark Twain Medical Center Home Page - Dignity Health	Observer
	Arvind	Thiagarajan	Matrixview USA Inc.	Observer
	Rebecca	Trunnell Hyman	Merge Healthcare an IBM Company	Observer
P	Luiza	Kowalczyk	MITA	Observer
P	Lisa	Spellman	MITA	Observer
P	James	Thomas	Northwestern Memorial Hospital	Observer
P	Earl	Canfield	Philips	Alt. Voting
	Haiyuan	Lu	Philips	Observer

P	Joe	Luszcz	Philips	Voting
	Easwara	Moorthy	Philips	Observer
	Miranda	Jacobson	Philips Volcano	Observer
	David	Clunie	PixelMed Publishing	Voting
	Robert	Muratore	Quantum Now LLC	Observer
	Rex	Kerr	rk-logix, inc	Observer
	Angeline	Cosca	Sdmi	Observer
	Allison	Bertrand	Seno Medical Instruments, Inc.	Alt. Voting
	Bryan	Clingman	Seno Medical Instruments, Inc.	Voting
	Dezheng (Bruce)	Li (Lee)	Shanghai United Imaging Healthcare	Observer
P	Antje	Schroeder	Siemens Healthcare GmbH	Observer
	Neerja	Baru	Siemens Healthineers	Observer
	Bryan	Brook	Siemens Healthineers	Observer
	Jim	Chapman	Siemens Healthineers	Observer
	Jan-Ulco	Kluiwstra	Siemens Healthineers	Voting
	George	Ku	Siemens Healthineers	Observer
	Ernest	Liu	Siemens Healthineers	Observer
	Linda	Perez	Siemens Healthineers	Observer
	Merv	Smith-Casem	Siemens Healthineers	Observer
	Joel	Chabriaais	Société Française de Radiologie	Observer
	Stephen	Vastagh	Standards Management Company	Observer
P	Damien	Lerat	SuperSonic Imagine	Alt. Voting
	Jacques	Souquet	SuperSonic Imagine	Observer
P	Paul	Sovelius	The Advanced Surgical Visualization Consortium	Observer
	Jens	Stockhausen	TOMTEC IMAGING SYSTEMS	Observer
	Achim	Mayer	TomTec Imaging Systems, GmbH	Observer
	Bernhard	Mumm	TomTec Imaging Systems, GmbH	Observer
	Michael	Douglas	Toshiba America Medical Systems	Observer
	Clare	Anderson	Trillium Technology, Inc.	Observer
P	Sander	Dekker	UltraiQ	Observer
	Bill	ZHANG	Ultrasonix Medical Corp	Observer
	Andrew	Pokropek	University College London	Observer
	Zheng Feng	Lu	University of Chicago	Observer
	Paul	Carson	University of Michigan Health System	Observer

	Gregory	Ensing	University of Michigan Medical Center	Observer
	David	Linker	University of Washington	Observer
	Craig	Walker	VidiStar, LLC	Observer
	Cristina	Suarez Mejias	Virgen del Rocio University Hospital	Observer
	Jonathan	Whitby	Vital Images, Inc.	Observer
	Joon Koo	Han		Observer
	Bas	Revet		Observer
	Ivan	Zador		Observer
P	Arnaud	Perrin		Observer

1. Opening

- 1.1. Open and roll call.
- 1.2. Antitrust and DICOM patent policy were reviewed
- 1.3. Agenda was reviewed and approved.
- 1.4. There were no past minutes for review.

2. Nominations for new industry and clinical co-chairs for WG-12

- No nominations were received for either position.
- Bruce Bray, ACC/University of Utah Health Care, volunteered to be a clinical co-chair for WG-12 Ultrasound during today's call. He is already a user co-chair for DICOM WG-01 Cardiac and Vascular Information
- Thank you Bruce for stepping in. Much appreciated!

<Action 1> Send a call for nominations for Vendor and User co-chair-DICOM Secretariat

3. Discussion: WG-12 outreach and chair commitment

- Having participation from cardiovascular side will help fill in any gaps in the clinical word.
- We need more participation from the vender side.
- We encourage both users and vendors to be involved in WG-12 work.

<Action 2> Inform DICOM Community about reactivating WG-12 Ultrasound-DICOM Secretariat

4. Discussion of proposed new work items, and assignments for draft work item requests for the DSC:

- DICOM procedures for a New Work Item Proposal (NWIP). – This topic was not discussed during today's meeting. It will be discussed further during future calls, meanwhile please visit: <https://www.dicomstandard.org/submitworkitem/>

3. Cardiac Strain Structured Reporting

Background:

- "On the December 3, 2018, WG-12 call, a decision was made to integrate parameters of myocardial deformation (e.g., strain) into DICOM-SR. It was recognized that a small number of parameters could be included via a relatively minor change proposal whereas a more comprehensive multidimensional specification would require a new work item. This schema was presented to the EACVI-ASE Strain Standardization Task Force at our meeting in Milan, Italy, on December 7, 2018, and was greeted enthusiastically by the clinical and vendor communities

alike. A call was made for a short list of strain parameters that could be quickly entered into DICOM-SR while strategizing for the more comprehensive approach. To date, one vendor has submitted such a list.

- Dr. Thomas will remind the Task Force of the urgent nature of the request and hopes to deliver an agree-to list before the WG-12 call on 2/25.”

<Action 3> Send a spreadsheet on strain parameters asking for feedback from members of WG-12 before February 18th, 2019-Jim Thomas

4. AAPM Quality Assurance elements

- Proposal to introduce an additional list of DICOM attributes in making ultrasound results more quantitative, more useful in analysis of large imaging datasets, more amenable to tracking system performance and tracking of transducers for infection control. (Zheng Feng)
- A draft of new work item proposal is supposed to be circulated to the AAPM Ultrasound Subcommittee first for review, and then to WG-12.

<Action 4> Circulate a draft of NWIP to DICOM Secretariat before February 13, 2019-Sander.

<Action 5> Send the definitive copy of NWIP to WG-12 before February 25, 2019-Lisa

5. ASE has (just) published an update to the journal article on which was based the original Sup169 work.
[https://www.onlinejase.com/article/S0894-7317\(18\)30318-3/fulltext](https://www.onlinejase.com/article/S0894-7317(18)30318-3/fulltext)

6. New business

- DICOM-RTV for Ultrasounds which could be a potential NWIP.

<Action 6> Distribute Supplement 202 Real-Time Vide to members of WG-12 – Luiza

<Action 7> Put this topic on the agenda for future calls-Lisa

7. Next meetings

- Feb. 25, 2019, 10:00-12:00 US ET
- March 25, 2019, 10:00-12:00 US ET

Dial-in information is always posted in the DICOM calendar:

<http://workspaces.nema.org/dicom/Lists/Calendar/calendar.aspx>

8. Adjourn

The meeting was adjourned at 11:30 a.m. US ET

Submitted by Luiza Kowalczyk, DICOM Secretariat

Reviewed by legal counsel, Clark Silcox, February 7, 2019.