

Global Clinical Engineering Day Report



Dr. Yadin David

November 2, 2016

Background

During the 2014 Clinical Engineering Congress in Suzhou, China, discussion between Chinese CE leadership and Dr. Y. David, the foundation for world-wide focused clinical engineering congress was laid and paved the way to the organization of the first International Clinical Engineering and Health Technology Management Congress (<http://www.icehtmc.com>). The following year on October 2015 ICEHTMC Congress became a reality in Hangzhou, China. The Congress faculty included many leaders from the international CE community including from the US, Brazil, Canada, Italy, Singapore, Japan, Malaysia, Taiwan, Australia, China, Ethiopia, and representatives of IFMBE, IUPESM, ACCE, and the World Health Organization (WHO). the Congress's program featured content from the four corners of the globe and was followed with additional dedicated day for examining and potentially identifying shared challenges between the world community of CEs. Present and past officers from National CE societies and international organizations such as WHO, IFMBE and IUPESM as well as recognized senior leaders in the fields of CE and BME agreed to participate and thus turned this think tank day into unique first **CE Global Summit** event. The participants list is attached as **appendix A** to this report.

Yadin David opened the day and set the objectives: Can we identify common global challenges and if we do - can we agree on strategy and an action plan to address the?

Each representative provided with the opportunity to educate the Forum through presentation about their region state of CE practice and their view of current local barriers they face to as members of the CE and BME community and associated career. As the presentations progressed, the issues started to show common thread. During the discussion session, the group agreed that the two most significant issues identified were:

- (1) lack of recognition for the contributions of CE services to the improvement of global health, and
- (2) lack of academic programs to adequately prepare entry level CEs into the field and of programs to continuing professional development and leadership competencies amongst practicing CEs.

The group then agreed to continue to work on addressing these issues and created administrative organization and a strategy to be named **TOGETHER WE CAN MAKE IT BETTER** to lead actions addressing these issues and thus an action plan to implement it developed. Members agreed to serve on the Advisory Board that guides these initiatives are listed in **appendix B** to this report.

To promote **recognition for CE contributions** toward improvements in healthcare programs delivery, rehabilitation, and wellness services the group selected to pursue a project that will provide evidence

for improvements in patient outcomes due to intervention of CE. We called this collection of case examples – the Success Stories evidence. Following the action plan, on January 20, 2016, the call for success cases went out. By May 2016, over 150 success stories from over 90 countries were received and catalogued into six technology related areas:

Innovation

Through provision of new HT solutions, adaptation of existing, or a combination to address several issues.

Improved Access

Ease in reaching HT-related health services or facilities in terms of location, time, and ease of approach.

Health Systems

Positive impact from more efficient and effective deployment of HT at national or policy level.

HT Management (HTM)

Establishing or improving HTM methodology resulting in improved population health or wellness.

Safety & Quality

HT's positive impact on health services safety or quality outcomes, or through HT human resource development.

e-Technology

Improvements achieved due to deployment of internet-based health technology tools.

A white paper was authored named Health Technologies Resource and with the support of many colleagues and WHO's Adriana VELAZQUEZ, was presented during the World Health Assembly congress of the WHO that took place in Geneva, Switzerland, on May 31, 2016. Many officials from Ministries of Health (MoH) of member countries received the information which was also posted on line at: <http://global.icehtmc.com/template>.

To address the second issue, Saide Calil from Brazil agreed to lead the project that began with convening working group and continued with collection of data about current training and practices of CE around the world. The group developed and disseminated on-line questionnaires that will facilitate understanding of present conditions. From this data, recommendations can be drafted about future needs.

At the end of the **Global Summit** event it was agreed that in commemorating the that **Global CE Summit** event took place as part of the First ICEHTMC Congress, October 21st will become the **Global CE Day celebration** and be inaugurated during the following October 2016.

Global Clinical Engineering Day

Clinical Engineers have many reasons to celebrate, just review the success stories at <http://global.icehtmc.com/publication/healthtechnology>. Over 150 stories from over 90 countries – wow, is not that by itself enough reason to celebrate? Of course, it is! From diagnostic to therapeutic tools and from care anywhere to rehabilitation and wellness programs – services are safer, more appropriate, better accessible, effective, efficient, connected, integrated and secured when CE are there. Many representatives from the CE field deserve much recognition for the successful outcome of this initiative. The Global Clinical Engineering Day (GCE) celebration would not have been possible without their continued engagement, guidance, contributions, efforts and expertise. But most of all their networking and outreach efforts set the stage for the establishment of stronger communications between far away locations around the world thus brining the level of global CE interaction to a new higher level. Reflected in many responses received to date, the participation in IFMBE and national societies activity have thus increased and the agreed upon, once considered almost unreachable, action plan was coalescing into a joint engine that propel the profession forward.

Credit must be given to many who worked hard and within short timeline to make sure that the plan will meet its goals and that the content shared is accurate, of quality, and educational in nature. So, it is of no surprise that much credit must be given to many, however, these team members performed above and beyond the call of duty:

- Zhou Dan – Chairman, Chinese College of Clinical Engineers, Chinese Doctor Association; Honorary chairman, Chinese Society of Clinical Engineering, Chinese Medical Association. and prime supporter of global CE programs
- Thomas Judd – dependable coordinator and producer. Without Tom, this would not have happened.
- Adriana Velazquez Berumen – WHO Senior Advisor and Focal Point on Medical Devices
- Ernesto Iadanza – chairman, IFMBE/CED and initiator of the [#GlobalCEDay](#)
- Professor Saide Calil – Chairman of the coming 2nd ICEHTMC Congress 2017 in Brazil
- James Wear – CE training expert and member of IFMBE/CED
- Professor James Goh – President, IFMBE
- Zheng Kun – Vice Chairman, Chinese College of Clinical Engineers, Chinese Doctor Association; Chinese Society of Clinical Engineering, Chinese Medical Association. Director, Clinical Engineering at Children's Hospital, Hangzhou, China
- Professor Herbert Voigt – Past president, IUPESM
- Professor Lorenzo Leogrande – Chairman of Italian Association of CE, and
- Jin Dong – CMD President and strong supporter of the event.

There are so many more that provided non-stop help and deserve our big THANK YOU and I know that we all going to continue to collaborate as a team in the future.

The development of the CE field in and the critical support offered by China CE community provided a natural stage on which the first GCE Day celebration was initiated. On October 21, 2016, in Beijing, China, in front of auditorium with about 500 people that included officers from CE associations, research hospitals association, the medical devices regulatory agency, academia and print and on-line media press, the Celebration began with animation video produced for the occasion by CMD showing the virtual relay of the Olympic Torch along the old Silk Road from China to Europe and continuing to the Americas and beyond. Following the welcoming remarks about the significance of the event, Dr. David continued with a presentation about the state of the profession around the world and its promising future that lies ahead. While the program continued in Beijing at the beautifully setup venue equipped especially for the event with a very high quality stage wide display, superb sound system, and high speed wi-fi, all managed by dedicated IT department from CMD who were on site for the event. The Torch was passed to other parts of the world, where local narrators shared their CE stories with videos, PowerPoint presentations, interviews and photographs and responders monitored the chatroom on-line responding to submitted comments or questions. See the program sequence and participants in [appendix C](#) attached to this report. The venue was also used to award outstanding Chinese clinical engineers with recognition and “red carpet” atmosphere.

Most of the day's events were recorded and are rebroadcasted with streaming video and other content on-line where you can view it at: <http://global.icehtmc.com/> by selecting the link of interest. The torch was passed from China to India and on to Australia, United Kingdom, Ethiopia, Italy, Albania, Brazil, USA, Peru, and Mexico. Each local prepared content in various formats to be shared by others all over the world.

Judged by the participation and comments received during and after the event the first Global CE Day was major achievement for our profession everywhere. The IT group reported that at 1pm local time the real-time viewing peaked at 70,303 log-ins and that the 6 hours recording was played 12,418 times within a week after the event, and TweeterReach snapshot recorded 52,498 impressions on October 21st.

In addition, the numerous comments received included such as “great program, when is the next one scheduled?”, “I’m at home watching. Much enjoyment.”, “Great success, Yadin, the Global CE Day is going far beyond any expectancies! A lot of people is joining the online meetings and following us using all the available media: websites, WebEx, Twitter and also email “There are still 8 events to go for many hours”, “Congrats! Global CE Day was a big success. I heard you over the youtube posted by Tom. Great talk.”, and “the Global CE day re-invigorated both myself and the CE community at our local site.”

Lessons learned

Such a large and complex undertaking demonstrated that dedicated resources and much practice is needed to eliminate access-related issues. In addition, limitations on internet-based services within China presented critical barriers to real-time interactions. For example, the services of Google, gmail, Facebook, dropbox, YouTube are not accessible in China, but several of the submitted contents were based on such services. Time zones variation also presented unique challenge as event Tom needed a break every now and then. While this event was well funded by resources in China (thank you CMD and Mr. Jin Dong), future programs will need to identify funding resources especially if the main celebration will be held outside China in the future. Because the venue was hosting another unrelated meeting until the day before our event, the stage and the beautiful giant screen and media could become available the evening prior to the event and negate the possibility to pre-record some of the programing and thus provide better dissemination alternatives.

In every successful complex world-wide project that moves on a fast track opportunities for improvement should be detailed. These are the main topics to resolve:

1. The event paved the way for stronger collaboration between CE communities, how can we capture that?
2. The legacy left, website rich with beautiful content <http://global.icehtmc.com/>, can serve as research opportunities for future studies.
3. The event increased interest in, enthusiasm and engaging with IFMBE/CED function; can the current CED structure accommodate it?
4. We need dedicated organization structure that able to support complex global projects and communications issues like ICEHTMC and Global CE Day events.
5. Identify funding sources for supporting event venue, logistics, communications and post event processing and publications.
6. Establish a broadcast template and platform including ‘use guidelines’ that most of the world can successfully implement having sufficient and secured storage.
7. New initiatives stimulated by and from events’ collaboration and team members’ exposure to colleagues work and opportunities need to be capture.

Humbly submitted,

Yadin David, Global CE Day chairman

Appendix A



杭州香格里拉飯店
Shangri-La hotel

HANGZHOU

2015 Oct. 23

Attendee List

name	Affiliation	Email
ERNESTO IADANZA	CED	ERNESTO.IADANZA@UNIFI.IT
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Appendix B

Global CE Project

2-May-16

Core Advisory Board 0216

		<u>Country</u>	<u>Contact Info.</u>
1	Yadin David	USA	david@biomedeng.com
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Advisory Board support

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Appendix C

Global CE Day Script, October 21, 2016

Country	Type Program	Local Program time	Key Leaders	GMT World Clock	Link to Real-Time Programs
1. China	First Global CE Day Congress, Beijing	9 am – 6 pm	Zhou Dan, Yadin David, China Medical Device Journal Press	1 am – 10 am	http://e.vhall.com/289882834 [load vhall App to view]
2. India	Global CE Day, Delhi	9:30 am – 1:30 pm	Jitendar Sharma, MOHFW NHSRC, AMTZ	4:00 – 8:00 am	India recording 102116
3. Australia	Virtual Webinar, Adelaide	7 pm	Adrian Richards	8:30 - 9:30 am	Australia recording 102116
4. UK	Virtual Webinar, Warwick	Noon	Dan Clark, George Dempsey, Jay Mangat, Abdul Basit	11 am - Noon	UK recording 102116
5. Ethiopia	Virtual Webinar, Addis Ababa	3 pm	Mulugeta Mideksa, MOH	12 Noon – 1 pm	Ethiopia recording 102116
6. Italy / Albania	Virtual Webinar, Rome/Tirana	3 pm	Lorenzo Leogrande AIIC Italy, Ledina Picari, MOH Albania	1 - 2 pm	Italy/Albania recording 102116
7. Brazil	Virtual Webinar, Sao Paolo	Noon	Lucio F. Brito, Saide Calil	2 – 3 pm	Brazil Global CE Day youtube 102116
8. USA East	Virtual Webinar East Coast	Noon EDT	Petr Kresta, ACCE	4 - 5 pm	ACCE East recording 102116
9. Peru	Virtual Webinar, Lima	1:00 pm	Rossana Rivas, Luis Vilcahuamán, CENGETS	6 - 7 pm	Download Presentation Slides
10. USA West	Virtual Webinar, West Coast	Noon PDT	Petr Kresta, ACCE	7 - 8 pm	ACCE West recording 102116
11. Mexico	Virtual Webinar, Mexico City	3 pm	Roberto Ayala	8 - 9 pm	Mexico recording 102116

1. China

9 hour on-site program in Beijing: Narrator: Yadin David; Moderator: Zhang Hanzhong - <http://e.vhall.com/289882834>

Programme of the First Global Clinical Engineering Day Celebration Congress (Oct 21 st , 2016)					
08:00-08:30	Opening of the Congress and Welcome Address	Dr. Yadin David, Dr. Zhou Dan		Clinical Engineers (1/3)	
08:30-10:10	An International Perspective Of The Current Status and Prospects of Global Clinical Engineering	Dr. Yadin David	14:40-14:50	Success Story Of Chinese Clinical Engineers (2/3)	
10:10-11:10	Panel Discussion: The Past, Present And Future Of Clinical Engineers	Host: Mr. Jin Dong (President, CMD) Panelists: Dr. Yadin David, Dr. Zhou Dan, Guo Guanxin (Present Chairman, Chinese Medical Association CE Division - CMA-CE), Li Bin (Incoming Chairman, CMA-CE), Zhang Qiang (Former Chairman, CMA-CE), Zheng Kun (Vice Chairman, CMA-CE), Zhang Xu (Dean, CCMU School of Biomedical Engineering)	14:50-15:00	Success Story Of Chinese Clinical Engineers (3/3)	
11:10-11:40	Connecting Biomedical Engineers - Launch Of Excellent Biomedical Engineers App	Mr. Jin Dong	15:00-15:50	Award Ceremony - Outstanding Biomedical Engineers Of China 2016 Includes: Research/Management, Teamwork/Individual, Hospital/Industry	Award Winners (Clinical Engineers and Clinical Engineering Teams from hospitals and industry)
11:40-12:00	Global CE Day Torch Relay Handover - Rome (Virtual Video)		15:50-16:20	Leading Clinical Engineering Societies Associations And Organizations In The World	Zhang Hanzhong (Assistant President of CMD)
12:00-13:30	Lunch		16:20-18:40	Global CE Day Torch Relay Handover - US And Brazil (Virtual Video)	
13:30-14:00	Red Carpet Show - Outstanding Biomedical Engineers Of China (previous award winners)		Cocktail Party - Integration Of Clinical Engineering And Healthcare Industry		
14:00-14:30	Inaugural Ceremony — Chinese Research Hospital Association Clinical Engineering Professional Board	Wang Faqiang (President, Chinese Research Hospital Association - CRHA), Zhang Xu (Chairman, CRHA-Clinical Engineering Profession Board and Dean, CCMU School of Biomedical Engineering)	18:00-18:30	1. Introduction of Beijing Smart Healthcare Technology Innovation Alliance	Guo Shugui (President, China Technology Exchange)
14:30-14:40	Missions of Chinese Research Hospital Association Clinical Engineering Professional Board	Zhang Xu (Chairman, CRHA-CEPS and Dean, CCMU School of Biomedical Engineering)		2. The Ultimate Financial Supporter Of Premium Healthcare Services - National Health Insurance Vs Commercial Health Insurance and Internet Plus	Fan Shaofei (President, PingAn Clinic Alliance)
14:40-14:50	Success Story Of Chinese		19:00-20:00	Banquet	

2. India

4-hour on-site meeting in Delhi: Narrator: Jitendar Sharma, Moderator Tom Judd - [India recording 102116](#)

Time	Session	Speakers
9:25 am	Registration	Torch passing live from Beijing if live streaming works, followed by 2-minute opening video by Moderator https://youtu.be/uFTIQnDN9_U
9.30 am – 9:45 am	Welcome Address and Lamp lighting Ceremony	Welcome Address by Ms. Sampa Banerjee, Executive Director, WASME
9.45 am – 9:50 am	Opening / Introduction	Introduction to Global CE by Narrator Dr. Sharma
9.50 am – 10:10 am	International CE Perspective	Prof. Yadin's address taped/ streamed by Moderator - https://youtu.be/LWYjpRqpSSk
10.10 am – 10:20 am	Panel: Past, Present, Future of India CE; Connecting CEs & Global CE Success Story	Dr. Jitendar Sharma, CEO-AMTZ & Director WHO CC for Medical Devices, India
10:20 am – 11:00 am	Technology Partnerships in improving access to healthcare	National Diagnostics Program including Pathology & Tele-Radiology- Mr. Mohammad Ameel, NHSRC National Dialysis Program- Mr. Prabhat Arora, NHSRC
11:00 am – 12:30 pm	Entrepreneurship Development in Clinical Engineering	Mr. Vikas Varma, AMTZ & Distinguished Financial experts from WASME
12:30 pm – 01:15 pm	Indigenization through Indianization- Andhra Pradesh MedTech Zone	Dr. Jitendar Sharma, Mr. Manish Gangal, VP- Operations, AMTZ
1:15 pm- 1:30 pm	Moving forward	Global CE day Torch Relay, A brief video, taped ahead with Torch passing India to Australia, followed by closing 1.5 min video by Moderator https://youtu.be/wvOfEqZG7zg

3. **Australia** - [Australia recording 102116](#)

1 hour Virtual Webinar: Narrator: Adrian Richards, Moderator Tom Judd

- 2 min Australia – video “tourist” introduction
- 2 + 2 Australia pre-amble and general introduction. Live , opening video
- 10 Australian CE Intro - Adrian – pre-recorded with audio on line for chat/questions
- 6 CE Aid from Australia – David Smith – pre-recorded – on-line for chat/questions
- 5 Engineers Australia and CE – 2017 IFMBE conference – Adrian –pre-recorded
- 15 CE Australia remote and regional – Julie – Live
- 6 The role of an RN in a CE Department – Adrian – Live
- After 10 min Q&A, Closing Comments by Adrian, with 1.5 minute closing video from us

<https://youtu.be/coZXOa7S5vc>

https://youtu.be/uFTIQnDN9_U

Attachment 1 (Attachments on Dropbox)

Attachment 2

Attachment 3

Attachment 4

Attachment 5

<https://youtu.be/wvOfEqZG7Zg>

4. **UK** - [UK recording 102116](#)

1 hour Virtual Webinar: Narrator: Leandro Pecchia; Moderator: Tom Judd

- 5 min: Opening words by Leandro, 2 min opening video, then Leandro introduces Dan Clark
- 45-50 min: Dan Clark presentation, followed by 5-10 min Q&A
- 5 min: Closing words from Leandro following by closing video (1.5 min)

https://youtu.be/uFTIQnDN9_U

Clark presentation on recording

<https://youtu.be/wvOfEqZG7Zg>

5. **Ethiopia** - [Ethiopia recording 102116](#)

1 hour Virtual Webinar: Narrator: Mulugeta Mideksa; Moderator: Tom Judd

- 5 min: Opening words by Mulugeta, 2 min opening video
- 30 min: Yadin David Global CE Perspective talk
- 20 min: Ethiopia CE content TBD; Africa CE Content available Dropbox Moderator can show:
https://www.youtube.com/watch?v=XudflhZs_d8
 - eg, THET videos from Zambia, Ghana-Canada donation video, etc.
<https://www.youtube.com/watch?v=ltf18NxLAdY>
 - Ghana-Canada IFMBE CED 2016 Teamwork award pictures, etc. (7 min)
<https://youtu.be/MONb3sMuyPQ>
- 5 min: Closing comments from Mulugeta, followed by 1.5 min closing video

https://youtu.be/uFTIQnDN9_U

<https://youtu.be/LWYjpRqpS5k>

Zambia-10 min

Natasha (2 min.)

Ghana (11 Pix). CMBES Donation Video

<https://youtu.be/wvOfEqZG7Zg>

6. **Italy / Albania** - [Italy/Albania recording 102116](#)

1 hour Virtual Webinar: Narrator: Stefano Bergamasco, Paolo Lago, and Ledina Picari; Moderator – Tom Judd

- 5 min: Opening words by Stefano, 2 min opening video
- 15 min: Yadin David Global CE Day Opening remarks
- 35 min: Italy CE content/videos – 30 minutes; Albania CE content / video, 5 min
<https://youtu.be/O-NWHWUQjM>
- 5 min: Closing comments from Ledina, followed by 1.5 min closing video

https://youtu.be/uFTIQnDN9_U

<https://youtu.be/xAtObfuxiWk>

Italy on recording; Albania

<https://youtu.be/wvOfEqZG7Zg>

7. **Brazil** - [Brazil Global CE Day youtube 102116](#), recording pending

1 hour Virtual Webinar: Narrator: Eng. Lúcio Flávio de Magalhães Brito, CCE; Moderator – Tom Judd

- 5 min: Opening words by Lucio, 2 min opening video
- 13 min: Yadin David Global CE Day Opening remarks
- 37 min: Brazil content including Calil *CE History audio ppt (9 min)*
- 5 min: Closing comments from Lucio, followed by 1.5 min closing video

https://youtu.be/uFTIQnDN9_U

<https://youtu.be/xAtObfuxiWk>

[Brazil Global CE Day youtube 102116](#)

<https://youtu.be/wvOfEqZG7Zg>

8. **USA East – ACCE** - [ACCE East recording 102116](#)

1 hour Virtual Webinar: Narrator: Petr Kresta; Moderator – Tom Judd

- 5 min Petr Intro remarks including intro video
- 15 min Yadin Global CE Day opening remarks
- 7 min International Committee video - Antonio Hernandez
- 3 min Healthcare Technology Certification Commission video – Pipper
- 4 min Education Committee video - Jennifer/Rodney
- 3 min Tracy Rausch CE-HTM Success Story
- 17 min CE-IT Community/Collaboration – Elliot
- 5 min Petr closing remarks including closing video

https://youtu.be/uFTIQnDN9_U

<https://youtu.be/xAtObfuxiWk>

<https://youtu.be/b1wKMaj9Yo>

<https://youtu.be/yS-63O4ejVU>

<https://youtu.be/F7IsWYUfyTM>

https://youtu.be/K036E4IH_as

<https://youtu.be/1Fu33ODXk9E>

<https://youtu.be/wvOfEqZG7Zg>

9. **Peru** – Recording pending

1 hour Virtual Webinar: Narrators Rossana Rivas, Luis V.; Moderator – Tom Judd

- 5 min: Opening words by Rossana & Luis, 2 min opening video
- 35 min: CENGETS Peru CE content
- 15 min: Discussion with MOH Peru
- 5 min Closing comments from Rossana & Luis, followed by 1.5 min closing video

https://youtu.be/uFTIQnDN9_U

[Download Presentation Slides](#)

Live discussion, video coming

<https://youtu.be/wvOfEqZG7Zg>

10. ACCE West - [ACCE West recording 102116](#)

1 hour Virtual Webinar: Narrator: Petr Kresta; Moderator – Tom Judd

- 5 min Petr Intro remarks including intro video
- 15 min Yadin David Global CE Day Opening remarks
- 7 min International Committee video - Antonio Hernandez
- 3 min Healthcare Technology Certification Commission video – Pipper
- 4 min Education Committee video - Jennifer/Rodney
- 3 min Tracy Rausch CE-HTM Success Story:
- 17 min CE-IT Community/Collaboration – Elliot
- 5 min Petr closing remarks including closing video

https://youtu.be/uFTIQnDN9_U
<https://youtu.be/xAtObfuxiWk>
<https://youtu.be/b1wKMajs9Yo>
<https://youtu.be/yS-63O4ejVU>
<https://youtu.be/F7lsWYUfyTM>
https://youtu.be/K036E4IH_as
<https://youtu.be/1Fu33ODXk9E>
<https://youtu.be/wvOfEqZG7Zg>

11. Mexico - [Mexico recording 102116](#)

1 hour Virtual Webinar: Narrator: Roberto Ayala; Moderator – Tom Judd

- 5 min: Opening words by Roberto, 2 min opening video
- 15 min: Yadin David Global CE Day Opening remarks
- 35 min: Mexico CE content, Presentation (ppt) provided
Dropbox
- 5 min: Closing comments from Roberto, followed by 1.5 min closing video

https://youtu.be/uFTIQnDN9_U
<https://youtu.be/xAtObfuxiWk>
Roberto provided English/Spanish ppt in
<https://youtu.be/wvOfEqZG7Zg>

Key Links

- Global CE Day opening video - https://youtu.be/uFTIQnDN9_U
- Global CE Day closing video - <https://youtu.be/wvOfEqZG7Zg>
- Dr. Yadin David Opening Remarks for Global CE Day (13 min)- <https://youtu.be/xAtObfuxiWk>
 - and *Global CE Perspective* video (30 min) - <https://youtu.be/LWYjpRqpS5k>
- *Pass the Torch* video - <https://youtu.be/MJ5Fc1jleQc>
- Dr. Ernesto Iadanza - *IFMBE CED 2016-18* - https://youtu.be/y7B-0prZ_r4
 - - Calendar & Events Search section: <http://cedglobal.org/events/>
 - - Global CE Day dedicated section: <http://cedglobal.org/global-clinical-engineering-day-globalceday/>
 - - Upcoming events list (on the left of the home page): <http://cedglobal.org/>
- Global CE Success Stories (Health Technologies Resource May 2016) – downloadable from <http://global.icehtmc.com/template>
- Dr. Elliot Sloane – *Vision for Clinical Engineering in the Age of Interoperability* - <https://youtu.be/1Fu33ODXk9E>
- Japan JACE youtube link - <https://youtu.be/C4HKIx9Nsb0>
- University of Vermont global CE interns past 11 years - <https://www.youtube.com/watch?v=BuBU0i6dSD8&feature=youtu.be>
- Dr. Herb Voigt, named key BME Award winner - <http://2016.ifmbe.org/ahmb-hvoigt/>