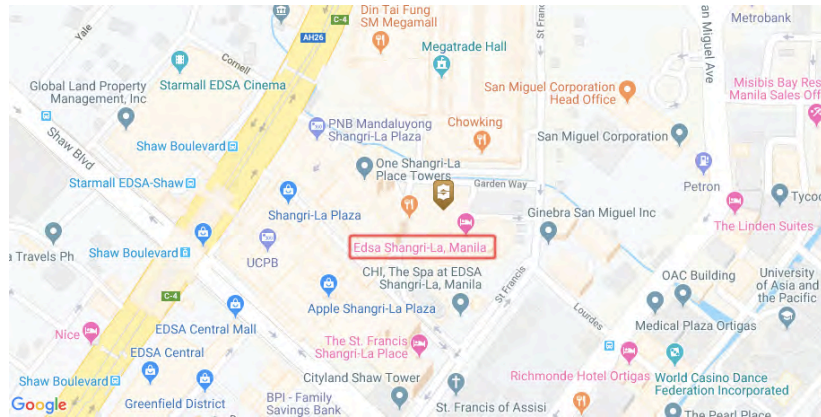
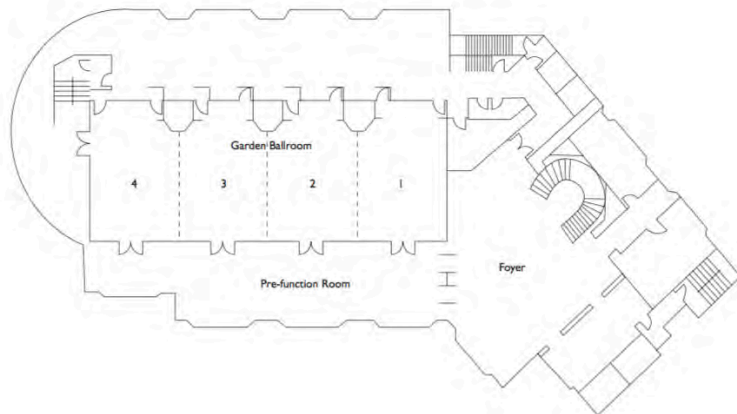


Venue Information

EDSA Shangri-la Plaza Hotel
1 Garden Way, Ortigas Center, Mandaluyong, 1650 Metro Manila



Floor Map



To give us your feedback, simply scan the barcode below or go to <https://www.menti.com/medpeebdrd>



Your valuable feedback is much appreciated.
Thank you very much for your cooperation!



13th
ASIA

TELEMEDICINE Symposium

**“Practical Applications in Telehealth”
Expanding Access to Telehealth in Surgery**

In conjunction with the
75th Annual Clinical Congress of the Philippine College of Surgeons

December 3-4, 2019
Garden Ballroom
EDSA Shang-rila Plaza Hotel
Mandaluyong City
Metro Manila
Philippines

PROGRAM HIGHLIGHTS:
Global Issues in the Application of Telemedicine
Data and Connection Security
Telemedicine in the Perioperative Phase
Telemedicine in Hospital Use
Telemedicine in Ambulatory Care
Telemedical Education

For further Information:
E-mail: info@telemdec.org.ph
Website: www.temdec.med.kyushu-u.ac.jp



13th ASIA TELEMEDICINE Symposium

Host

Telemedicine Network of the Philippines



Sponsors and Supporters

Philippine College of Surgeons



TEMDEC



UP PGH National Telehealth Center



Kyushu University



ASTI- DOST



Greetings from the Chair of the Organizing Committee



Dear Friends and Colleagues,

Allow me to welcome you to the 13th Asia Telemedicine Symposium to be held on December 3-4, 2019 at the Garden Ballroom of EDSA Shangri-la hotel. This year's theme, "The Practical Applications of Telehealth: Expanding Access to Telehealth in Surgery," shall demonstrate the use of telemedicine not just in the surgical specialties but in other clinical specialties as well.

Over the years, the development of telemedicine has greatly expanded thru technological advancements and innovations. The adaptation of these technologies comes in varied utilizations and platforms. On this event, different uses of telemedicine will be presented, innovations and new technological applications will be demonstrated, and future trends will be discussed by experts. This symposium is a scientific and technological event augmented by live surgery and demonstrations showing the different telemedicine programs. At the same time, it is also a gathering of experts and friends which shall promote further camaraderie among the users of telemedicine.

This exciting event is hosted by the Telemedicine Network of the Philippines (TNP) together with the Telemedicine Development Center of Asia (TEMDEC) of Kyushu University, Fukuoka, Japan. It will also be held simultaneously with the 75th Annual Congress of the Philippine College of Surgeons, in partnership with the Advanced Science and Technology Institute (ASTI) of the Department of Science and Technology (DOST) and the National Telehealth Center of the Philippines (NThC).

I, therefore, invite you and your colleagues to join us as we look forward to a more stimulating and memorable symposium ahead!

Best Regards to all!

Jeffrey J.P. Domino, MD, MM(Imh) , FPCS, FPALES

Greetings from the Chair of the Scientific Program



Dear Friends and Colleagues,

"It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change." - Charles Darwin

Knowledge of medicine and Healthcare delivery continues to evolve. The phenomenal advances in technology augment and push this evolution as innovations bring forth changes as well as challenges in the practice of medicine. Today, these changes and challenges in digital healthcare can be experienced in telemedicine and e-health.

We have put together a diverse program with international experts and pioneers in this field to share their knowledge and experience in tele-education, tele-surgery, tele-mentoring and all other applications of telehealth including topics on social media, online platforms, virtual reality, data privacy and cyber security.

On behalf of the Telemedicine Network of the Philippines, it is with great pleasure that I welcome all of you to the 13th Asia Telemedicine Symposium this year on Dec 3 to 4 as we join the Philippine College of Surgeons during its 75th Annual Congress with the theme of "Gamechangers in Surgery", in partnership with the Advanced Science and Technology Institute (ASTI) of the Department of Science and Technology (DOST) and the National Telehealth Center of the Philippines (NThC).

I would also want to extend our sincere appreciation to all members of the organizing committee, our partners from the industry, all our invited speakers and engineers, without which this will not be possible.

This event is not simply a gathering of minds but more importantly, an opportunity to create and explore a distinct level of responsible and effective healthcare in cyberspace.

Welcome to Manila and Enjoy the 13th Asia Telemedicine Symposium with the theme of "The Practical Applications of Telehealth: Expanding Access to Telehealth in Surgery" and Philippine hospitality at its best!

Merry Christmas!

Warmest Personal Regards,

Catherine SC Teh, MD, FPCS, FRCS(Ed)
Chair, Scientific Program
Telemedicine Network of the Philippines

Program Summary

Day 1, Tuesday
December 3
Garden Ballroom 1-4

Day 2, Wednesday
December 4
Garden Ballroom 3-4

8:00		Session 8 (8:00-9:30) International Programs for Telemedicine - ASTI-DOST Space Programs & Telehealth - Asia Pacific Advanced Network and Programs - Technical Support for Telemedicine Programs - Taiwan Telemedicine Network Experience - Indonesian Telemedicine Network Experience - Malaysian Telemedicine Network Programs - Indian Telemedicine Network Programs - Vietnam Telemedicine Programs
8:30	- Welcome Remarks from ASTI-DOST - Welcome Remarks from TEMDEC - Keynote Speech from DOH Secretary - ATS Scientific Course Overview	
9:00	Session 1 (9:00-10:00) Global Issues in the Applications of Telemedicine - International Society for Telemedicine and e-Health - National Telehealth Programs - Telehealth Issues in Data Privacy and Protection	
9:30		Session 9 (9:30-10:00) Data and Connection Security - Cyber Security Measures - Putting up the Tele in Telemedicine
10:00	Coffee Break	Coffee Break
10:15	Session 2 (10:15-11:15) Telemedicine Applications - Telemedicine Development Center (TEMDEC) of Asia Activities for Tele-health - Telemedicine Network of the Philippines (TNP) Activities for Tele-health	Session 10 (10:15-10:45) Overcoming Challenges of Common Connection Problems - Common Network Challenges - Exploratory Analysis of Technical Issues in Remote Education in International Medical Institutions
10:30		
10:45	- Applications of Telemedicine in Surgery and Other Specialties	Session 11 (10:45- 12:00) New Connections of Telemedicine
11:00		
11:15	Session 3 (11:15-12:00) Peri-operative Telemedicine - Online XR Telemedicine Using VR/ AR/ MR in Surgery - Cloud-Based Telemedicine	- Challenges in New Connections - Future Plans of Network community
11:30		14th Asia Telemedicine Symposium 2020 presentation- Ti Chuang Chiang (TWN)
12:00NN	LUNCH SYMPOSIUM OR Integration System (Hawii - ATS - UPPGH)	END
12:30		
13:00	(13:00-14:00) Philippine College of Surgeons (PCS) in the Era of Telemedicine Session 4 Telemedicine in Hospital Use - Live Surgery Demo of Telemedicine Platform in the Operating Room - Surgical Applications of Telemedicine in Hospital - Tele-education in Surgery	
13:30		
14:00	Session 5 (14:00-15:00) Telemedicine in Ambulatory Care - Telehealth in Universal Health Care: Making a Case for Mothers and Children - Clinical Tele-monitoring Platform in Psychiatry - Clinical Tele-monitoring Platform in Rural Community (Telemedicine Experience in Quezon Province) - Telemedicine in Rural and Community-Based Health Programs in Asia	
14:30		
15:00	Coffee Break (15:00-15:10)	
15:10	Session 6 (15:10-16:00) Telemedicine Education - Telehealth-Assisted Clinical Knowledge and Learning Exchange (TACKLE) - #SoMEducation	
16:00	Session 7A (16:00-16:30) Panel Discussion - Contribution of Telemedicine to Global Healthcare Delivery	
16:30	Session 7B (16:30-17:00) Panel Discussion - Future of Telemedicine and its Challenges	



Day 1, Tuesday, December 3
Venue: Garden Ballroom 1-4

8:00-9:00	<p style="text-align: center;">Opening Ceremonies</p> <ol style="list-style-type: none"> Welcome Remarks from ASTI-DOST Joel Joseph Marciano Jr., PhD ASTI-DOST (PHI) Welcome Remarks from TEMDEC Shuji Shimizu, MD, PhD TEMDEC (JPN) Keynote Speech from DOH Secretary Hon. Francisco Duque III, MD, MSc, Secretary, Department of Health (PHI) ATS Scientific Course Overview Catherine Teh, MD, FPCS, FRCS (Ed) TNP (PHI)
9:00- 10:00	<p style="text-align: center;">Session 1</p> <p style="text-align: center;">Global Issues in the Applications of Telemedicine</p> <p>Presentation: 18 minutes each</p> <ol style="list-style-type: none"> International Society for Telemedicine and e-Health Yunkap Kwankam, PhD, Intl. Society of Telemedicine & eHealth (SWI) National Telehealth Programs Raymond Sarmiento, MD National Telehealth Center (PHI) Telehealth Issues in Data Privacy and Protection Alvin Marcelo, MD, TNP (PHI) <p>Open Forum: 6 minutes</p> <p>Session Chair: Shuji Shimizu, MD, PhD, TEMDEC (JPN)</p>
10:00-10:15 10:15-11:15	<p style="text-align: center;">COFFEE BREAK</p> <p style="text-align: center;">Session 2</p> <p style="text-align: center;">Telemedicine Applications</p> <p>Presentation: 18 minutes each</p> <ol style="list-style-type: none"> Telemedicine Development Center (TEMDEC) of Asia Activities for Tele-health Tomohiko Moriyama, MD, TEMDEC (JPN) (REMOTE) Telemedicine Network of the Philippines (TNP) Activities for Tele-health Katherine Panganiban, MD (TNP) (PHI) Applications of Telemedicine in Surgery and Other Specialties Yunkap Kwankam, MD, PhD Intl. Society of Telemedicine & eHealth (SWI) <p>Open Forum: 6 minutes</p> <p>Session Chair: Mark Melendres, MD, TNP-Manila (PHI)</p>
11:15-12:00NN	<p style="text-align: center;">Session 3</p> <p style="text-align: center;">Peri-operative Telemedicine</p> <p>Presentation: 20 minutes each</p> <ol style="list-style-type: none"> Online XR Telemedicine Using VR/ AR/ MR in Surgery Maki Sugimoto, MD, Teikyo University (JPN) Cloud-Based Telemedicine Atsuhiko Koya, MD, Ashikawa University (JPN) <p>Open Forum: 5 minutes</p> <p>Session Chair: Banny Bay Genuino, MD, TNP-Baguio (PHI)</p>
12:00-13:00	<p style="text-align: center;">LUNCH SYMPOSIUM: OR Integration System (Hawaii - ATS - UPPGH)</p>

13:00- 14:00	<p>Session Chair: Katherine Panganiban TNP (PHI)</p> <p>Philippine College of Surgeons (PCS) in the Era of Telemedicine George Lim, MD, FPCS, President, Philippine College of Surgeons (PHI)</p> <p style="text-align: center;">Session 4</p> <p style="text-align: center;">Telemedicine in Hospital Use</p> <p>Presentation: 18 minutes each</p> <ol style="list-style-type: none"> Live Surgery Demo of Telemedicine Platform in the Operating Room Liana Jacinta Wirahswasta (Malaysia)(REMOTE) Surgical Applications of Telemedicine in Hospital Vivencio Villafior III, MD PCS, TNP-Dagupan (PHI) Tele-education in Surgery Catherine Teh, MD, FPCS, FRCS (Ed) TNP (PHI) <p>Open Forum: 6 minutes</p> <p>Session Chair: Edgardo Cabrera, MD TNP-Manila (PHI)</p>
14:00-15:00	<p style="text-align: center;">Session 5</p> <p style="text-align: center;">Telemedicine in Ambulatory Care</p> <p>Presentation: 13 minutes each</p> <ol style="list-style-type: none"> Telehealth in Universal Health Care: Making a Case for Mothers and Children Portia Grace Marcelo, MD, MPH, Immediate Past Director, National Telehealth Center (PHI) Clinical Tele-monitoring Platform in Psychiatry Fareda Fatima Flores, MD, Metro Psych Facility Roads & Bridges to Recovery Drug Treatment & Rehabilitation, Manila & Cebu (PHI) Clinical Tele-monitoring Platform in Rural Community (Telemedicine Experience in Quezon Province) Grace Santiago, MD, PHO Quezon Province, Q1K (PHI) Telemedicine in Rural and Community-Based Health Programs in Asia Alvin Marcelo, MD TNP (PHI) <p>Open Forum: 8 minutes</p> <p>Session Chair: Billy James Uy, MD TNP-Manila (PHI)</p>
15:00-15:10 15:10-16:00	<p style="text-align: center;">COFFEE BREAK</p> <p style="text-align: center;">Session 6</p> <p style="text-align: center;">Telemedical Education</p> <p>Presentation: 18 minutes each</p> <ol style="list-style-type: none"> Telehealth-Assisted Clinical Knowledge and Learning Exchange (TACKLE) Melissa Hilvano-Cabungcal, MD UP-PGH (PHI) #SoMEducation Julio Mayol, MD Hospital Clinico San Carlos Universidad Complutense de Madrid (SPAIN) (REMOTE) <p>Open Forum: 6 minutes</p> <p>Session Chair: Michael Lawenko, MD.TNP-Cavite (PHI)</p>
16:00- 16:30	<p style="text-align: center;">Session 7A</p> <p style="text-align: center;">Panel Discussion</p> <p>Contribution of Telemedicine to Global Healthcare Delivery</p> <ul style="list-style-type: none"> Yunkap Kwankam, MD, PhD (SWI) Melissa Hilvano-Cabungcal MD (PHI) Julio Mayol, MD (SPN) (REMOTE) Ti Chuang Chiang (TWN)

16:30-17:00	Moderator: Raymond Sarmiento, MD Nat'l. Telehealth Center (PHI)
	Session 7B Panel Discussion

Future of Telemedicine and its Challenges

- **Fareda Fatima Flores, MD (PHI)**
- **Maki Sugimoto, MD (JPN)**
- **Atsuhiko Koya, MD (JPN)**
- **Catherine Teh (PHI)**
- **Satyanarayana Ungarala (IND)**

Moderator:
Alvin Marcelo, MD, TNP (PHI)

Master of Ceremonies: **Vittoria Vanessa Velasquez, MD TNP (PHI)**

Day 2, Wednesday, December 4
Venue: Garden Ballroom 3-4

8:00-9:30	Session 8 International Programs for Telemedicine
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Presentation: 11 minutes, Q&A: 2 minutes each

1. ASTI-DOST Space Programs and Tele-health
Jaro Son Lacerna ASTI-DOST (PHI)
2. Asia Pacific Advanced Network and Programs Technical Support for Telemedicine Programs
Kuriko Kudo TEMDEC (JPN) (REMOTE)
3. Taiwan Telemedicine Network Experience
Ti Chuang Chiang (International Medical Physics Certification Board (TWN)
4. Indonesian Telemedicine Network Experience
Tunggul Laksono Brawijaya University (INDONESIA)(REMOTE)
5. Malaysian Telemedicine Network Programs
Mohamad Zahir Ahmad University of Malaya Medical Center (MALAYSIA) (REMOTE)
6. Indian Telemedicine Network Programs
Satyanarayana Ungarala Asian Institute of Gastroenterology (INDIA)(REMOTE)
7. Vietnam Telemedicine Network Programs
Cao Duc Minh Vietnam Natl Agency for Science & Technology Information (VIETNAM)(REMOTE)

Session Chair:
Darwin Laurencio, UP-Manila (PHI)
Dani Castro MD, TNP- Cebu (PHI)
Nathan Cariaga, TNP (PHI)

9:30-10:00	Session 9 Data and Connection Security
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Presentation: 12 minutes, Q&A: 3 minutes each

1. Cyber Security measures
Paul Patrick Prantilla, IT Operations, Red Rock Security (PHI)
2. Putting up the Tele in Telemedicine
Darwin Laurencio, UP-PGH, TNP (PHI)

Session Chair:

10:00-10:15 10:15-10:45	Shunta Tomimatsu (TEMDEC (JPN) Mohamad Zahir Ahmad, University of Malaya Medical Center (MALAYSIA) (REMOTE) Sheryl Valencia TNP-Manila (PHI)
	COFFEE BREAK

10:45- 12:00	Session 10 Overcoming Challenges of Common connection problems
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Presentation: 12 minutes, Q&A: 3 minutes each

1. Common Network Challenges
Maritess Baloran TNP-Baguio (PHI)
2. Exploratory Analysis of Technical Issues in Remote Education in International Medical Institutions
Shunta Tomimatsu TEMDEC (JPN)

Session Chair:
Nathan Cariaga TNP (PHI)
Jaro Son Lacerna ASTI-DOST (PHI)

10:45- 12:00	Session 11 New Connections of Telemedicine
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Presentation: 10 minutes, Q&A: up to 2 minutes each

Challenges in New connections and Future Plans of Network community

- Amang Rodriguez Memorial Medical Center (Marikina)
Mr. Kent Morales
Dr. Mark Andrew Sibug
- The Black Nazarene Hospital (Ilocos Norte)
Mr. Emerson William Valdez
Dr. Jonathan Noble
- St. Paul's Hospital (Iloilo)
Mr. Leo Lañada
- Perpetual Succuor Hospital (Cebu)
Mr. Allan Loyao
Dr. Johanna Poblete- Embalzado
- Mariano Marcos Memorial Hospital & Medical Center (Ilocos Norte)
Mr. Dennis Rubio
Dr. Isaias Alipio, Jr.
- Vicente Sotto Hospital (Cebu)
Mr. Mark Cañete
Dr. Danilo Castro
- Sorsogon Provincial Hospital (Bicol)
Mr. Aldrin Huenda
Dr. Roberto Chacon

Session Chair:
Kuriko Kudo TEMDEC (JPN)
Alvin de Gracia
ASTI-DOST, TNP (PHI)
Shuji Shimizu
TEMDEC (PHI)

14th Asia Telemedicine Symposium 2020 presentation- Ti Chuang Chiang (TWN)

Master of Ceremonies: **Vittoria Vanessa Velasquez, MD TNP (PHI)**





Day 1, Tues, December 3
Venue: Garden Ballroom 1-4





Opening Ceremonies (8:00-9:00)

 Joel S. Marciano Jr., PhD ASTI-DOST, Philippines	 Shuji Shimizu, MD, PhD TEMDEC, Japan
 Francisco Duque, MD, MSc Secretary, Department of Health, Philippines	 Catherine Teh, MD, FPCS, FRCS (Ed) TNP, Philippines




Session 2: Global Issues in the Applications of Telemedicine (9:00- 10:00)

 Chair Shuji Shimizu, MD, PhD TEMDEC, Japan	 Yunkap Kwankam, PhD Intl. Society of Telemedicine & eHealth, SWI
 Raymond Sarmiento, MD Natl. Telehealth Center, Philippines	 Alvin Marcelo, MD TNP, Philippines





Session 2: Telemedicine Applications (10:00-10:15)

 Chair Mark Melendres, MD TNP-Manila (PHI)	 Tomohiko Moriyama, MD TEMDEC, Japan
 Katherine Panganiban, MD TNP, Philippines	 Yunkap Kwankam, PhD Intl. Society of Telemedicine & eHealth, SWI

Session 3: Peri-operative Telemedicine (11:15-12:00)






 Chair Banny Bay Genuino, MD TNP-Baguiu, Philippines	 Maki Sugimoto, MD Teikyo University, Japan
 Atsuhiko Koya Ashikawa University, Japan	

Session 4: PCS in the Era of Telemedicine, Telemedicine in Hospital Use (13:00-14:00)




 Chair Edgardo Cabrera, MD TNP-Manila (PHI)	 George Lim, MD, FPCS President, Philippine College of Surgery, Philippines
 Liana Jacinta Wirahswata, Malaysia	 Vivencio Villaflores III, MD PCS, TNP -Dagupan


Catherine Teh, MD, FPCS, FRCS (Ed)
TNP, Philippines

Session 5: Telemedicine in Ambulatory Care (14:00-15:00)

 Chair Billy James Uy, MD TNP-Manila, Philippines	 Portia Grace Marcelo, MD, MPH Immediate Past Director, National Telehealth Center, Philippines
 Farida Fatima Flores, MD Metro Psych Facility Roads & Bridges to Recovery Drug Treatment & Rehabilitation, Manila & Cebu Philippines	 Grace Santiago, MD PHO Quezon Province, Q1K Philippines
 Alvin Marcelo, MD TNP, Philippines	



Session 6: Telemedical Education (15:10- 16:00)

 Chair Michael Lawenko, MD. TNP-Cavite (PHI)	 Melissa Hilvano-Cabungcal, MD UP-PGH, Philippines
 Julio Mayol, MD Hospital Clinico San Carlos Universidad Complutense de Madrid, Spain	

Session 7A: Panel Discussion: Contribution of Telemedicine to Global Health (16:00-16:30)

 Moderator Raymond Sarmiento, MD Natl. Telehealth Center, Philippines	 Yunkap Kwankam, PhD Intl. Society for eHealth, SWI
 Melissa Hilvano-Cabungcal, MD UP-PGH, Philippines	 Julio Mayol, MD Hospital Clinico San Carlos Universidad Complutense de Madrid, Spain
 Ti Chuang Chiang International Medical Physics Certification Board, Taiwan	

Session 7B: Panel Discussion :Future of Telemedicine and its Challenges (16:30-17:00)

 Moderator Alvin Marcelo, MD TNP, Philippines	 Farida Fatima Flores, MD, Metro Psych Facility Roads & Bridges to Recovery Drug Treatment & Rehabilitation, Manila & Cebu Philippines
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Maki Sugimoto, MD
Teikyo University, Japan


Catherine Teh, MD, FPCS, FRCS (Ed)
TNP, Philippines


Atsuhiko Koya
Ashikawa University, Japan







Satyanarayana Ungarala
Asian Institute of Gastroenterology, India

Day 2, Wed, December 4
Venue: Garden Ballroom 3-4

Session 8: International Programs for Telemedicine (8:00-9:30)

 Chair Darwin Laurencio UP-PGH, TNP, Philippines	 Chair Dani Castro MD TNP- Cebu
 Chair Nathan Cariaga TNP, Philippines	 Jaro Son Lacerna ASTI-DOST, Philippines
 Kuriko Kudo TEMDEC, Japan	 Ti Chuang Chiang International Medical Physics Certification Board, Taiwan
 Tunggul Laksono Brawijaya University, Indonesia	 Mohamad Zahir Ahmad University of Malaya Medical Center, Malaysia
 Satyanarayana Ungarala Asian Institute of Gastroenterology, India	 Cao Duc Minh Vietnam Natl Agency for Science & Technology Information, Vietnam


















Session 9: Data and Connection Security (9:30-10:00)

 Chair Shunta Tomimatsu TEMDEC, Japan	 Chair Mohamad Zahir Ahmad University of Malaya Medical Center, Malaysia
 Chair Sheryl Valencia TNP-Manila (PHI)	 Darwin Laurencio UP-PGH, TNP, Philippines
 Paul Patrick Prantilla IT Operations, Red Rock Security, Philippines	

Session 10: Overcoming Challenges of Common Connection Problems (10:15-10:45)

 Chair Nathan Cariaga TNP, Philippines	 Jaro Son Lacerna ASTI-DOST, Philippines
 Maritess Baloran TNP - Baguiu, Philippines	 Shunta Tomimatsu TEMDEC, Japan

Session 11: New Connections of Telemedicine Challenges in New connections and Future Plans of Network community (10:45- 12:00NN)

 Chair Kuriko Kudo TEMDEC, Japan	 Chair Alvin de Gracia ASTI-DOST, TNP (PHI)
 Chair Shuji Shimizu, MD, PhD TEMDEC, Japan	
 Amang Rodriguez Memorial Medical Center Marikina	 Black Nazarene Hospital Ilocos Norte
 Mr. Kent Morales Dr. Mark Andrew Sibug	 Mr. Emerson William Valdez Dr. Michael Mercado
 St. Paul's Hospital Iloilo	 Perpetual Succor Hospital Cebu
 Mr. Leo Lañada	 Mr. Elvar Lumactud Dr. Johanna Poblete-Embalzado
 Mariano Marcos Memorial Hospital & Medical Center Ilocos Norte	 Vicente Sotto Medical Center Cebu
 Mr. Dennis Rubio Dr. Isaias Alipio, Jr.	 Mr. Mark Cañete Dr. Danilo Castro
 Sorsogon Provincial Hospital Bicol	 Mr. Aldrin Huenda Dr. Roberto Chacon

 Ti Chuang Chiang (TWN) 14 th Asia Telemedicine Symposium 2020 Presentation	 Master of Ceremonies: Vittoria Vanessa Velasquez TNP, Philippines
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