The Foreign Technical Training Programme (FTTP) for Anna University and Government Engineering Colleges of Tamil Nadu

Science and engineering student studying at the state of Tamil Nadu in the southern part of India visit Yokohama National University and students learn about the current situation of Japanese culture, research development in university and private science and technology development by students visiting lectures, laboratory visits and companies mainly in Yokohama city for 2 weeks







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Emergency Contact

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Preface



Welcome to Yokohama National University!

The Honorable Chief Minister of Tamil Nadu has announced under Rule 110 in connection with Foreign Technical Training Programme (FTTP) for 100 students (50 students of Anna University accompanying with staff and 50 students from Government Engineering Colleges of Tamil Nadu accompanying with staff) at an estimated expenditure of Rs. 150 Lakhs every year.

The top scorer of each core branches in Anna University and Government Engineering Colleges of Tamil Nadu have been selected for attendance to the FTTP.

15 students from Electronics & Communication Engineering and 9 students from the faculty of Technology have been selected to undergo FTTP programme in Yokohama National University (YNU). It is a great honor for us.

The program of FTTP at YNU offers research lectures, special lectures, students exchange poster session, open laboratory session, and industrial visits and cultural excursions. The opportunities of lecture by Indians active in Japan are also offered.

We hope you will enjoy this FTTP and communicate with new friends from YNU. We also expect this FTTP will contribute to the further collaboration between India and Japan.

Prof. Meguru Kaminoyama Faculty of Engineering Yokohama National University Yokohama, Japan

Schedule of FTTP in YNU July 2017

Date	AM	PM	Remarks
7/11	MH 183 11JUL MAAKUL	MH 88 11JUL KULNRT 2330	Have a nice trip!
(Tue)	1145 1815	#0740	-
12	7:40 at Narita to YNU	Welcome party at Cafeteria II	Narita-YNU Chartered bus
(Wed)	[Lunch box]	(17:00-)	Cafeteria II
13 (Thu)	[Breakfast]	Lecture I	Chemical and Safety Eng. Bldg.
	Campus tour, Guidance	Japanese Culture	Room 111
14 (Fri)	Lecture II	Lecture II (continued)	Chemical and Safety Eng. Bldg.
		Seminar: Quantum	Room 111
		information science	Central liberally Media hall
		(Prof.Shikata)	
15(Sat)	Toshiba Science Museum	Kawasaki Daishi etc.	Cultural tour
	(Kawasaki) [Restaurant]	[Restaurant]	
16 (Sun)	Free activity	Free activity	Holiday
17	TEPIA Advanced	Embassy of India	National Holiday
(Mon)	Technology Gallery (Tokyo)	Walking around Tokyo	
	[Restaurant]	Imperial Palace	
18 (Tue)	Nisshin Oillio (Isogo)	JAMSTEC, Yokohama	Industrial Visit
	[Restaurant]	Institute for Earth Science	Lecture of Dr. Swadhin K.
		(Shinsugita)	Behera at JAMSTEC
19	Lecture III	Lecture IV	College of Engineering and
(Wed)			science B201
20 (Thu)	(Nissan), Chiyoda Corp.	Nishiya water production plant	Industrial Visit
	(Minatomirai)	(Kamihosikawa)	Lecture of Mr. Kulin at Chiyada
			Corp.
		Courtesy Call (Tokyo)	Dr. Purnima Rupal at her
			Residence
21(Fri)	Student exchange poster	Open lab	Poster session: Library Hall
	session (Library Hall)	Hydrogen vehicle Mirai	Lab session
22(Sat)	Free activity	Free activity	Holiday
23(Sun)	Free activity	Free activity	Holiday
24	Cultural tour	Water treatment plant of	Arranged by Yokohama Indo
(Mon)	Minatomirai [Restaurant]	Yokohama City (Tsurumi)	Center
25 (Tue)	Lecture V	Lecture VI	Chemical and Safety Eng. Bldg.
			Room 111
26	Preparation for reports	FTTP reports	Chemical and Safety Eng. Bldg.
(Wed)	Free discussion	Closing ceremony (16:00-)	Room 111
			Cafeteria II
27(Thu)	6:00 YNU - 8:30 Narita	MH 180 27JUL KULMAA	YNU- Narita Chartered bus
	MH 89 27JUL NRTKUL	2130 2245	
	1030 1645		See you again!

Participants

	Name	Branch	University
1	SETHU LAKSHMANAN	Electronics & Communication Engineering	Anna University
2	MOHAMED FAIZAL M M	Electronics & Communication Engineering	Anna University
3	P.SRI SRINIVASAN	Electronics & Communication Engineering	Anna University
4	VIPIN KUMAR	Electronics & Communication Engineering	Anna University
5	ARIVARASI K	Electronics & Communication Engineering	Anna University
6	JAYA RUPINI V	Electronics & Communication Engineering	Anna University
7	A.K.RASHIKA	Electronics & Communication Engineering	Anna University
8	MAALATHY. S	Electronics & Communication Engineering	Govt. Eng. College
9	MONICA. G	Electronics & Communication Engineering	Govt. Eng. College
10	BINU. C	Electronics & Communication Engineering	Govt. Eng. College
11	NANDHINI. E.M	Electronics & Communication Engineering	Govt. Eng. College
12	MONESHA. V	Electronics & Communication Engineering	Govt. Eng. College
13	SELVI. M	Electronics & Communication Engineering	Govt. Eng. College
14	VASUNDRA DEVI. M	Electronics & Communication Engineering	Govt. Eng. College
15	SRI NAVANEETHA NANDHINI. S	Electronics & Communication Engineering	Govt. Eng. College
16	A.S.ARUN SRINIVAAS	Chemical Engineering	Anna University
17	A.GANESH	Textile Technology	Anna University
18	D.HARIPRASATH	Petroleum Engineering and Technology	Anna University
19	S.RAAGAVI	Chemical Engineering	Anna University
20	S.DIVYA SWARUPINI	Apparel Technology	Anna University
21	R.R.SENJII LAXME	Industrial Biotechnology	Anna University
22	A.R.AARTHI	Food technology	Anna University
23	T.M.VARSHA	Pharmaceutical Technology	Anna University
24	M.UNNAMALAI	Ceramic Technology	Anna University

Faculty members

25	Dr. Padma Prasad Valsalal	Duputy Director, Centre for International Affairs	Anna University
26	Dr. Mukannan Arivanandhan	Centre for Nanoscience and Technology	Anna University

Lectures

July 13, Thursday

Lecture I

Chemical and Safety Eng. Bldg. Room 111 13:00-16:00 Professor Yamamoto Yasuo "Religious Mindset of Japanese People" https://www.facebook.com/ynucollab/

July 14, Friday

Lecture II

Chemical and Safety Eng. Bldg. Room 111

9:30-11:30 Associate Professor. Kazuho Nakamura "Guidance of FTTP"

> Dr. Swastibrata Bhattacharyya "First principles calculations to study properties of materials" http://www.ohno.ynu.ac.jp/member/index.html

13:00-14:00 Associate Professor. Kazuho Nakamura "Recent topics of Environmental Engineering in Japan" http://www.nakamuralab.ynu.ac.jp/index.html

Special Session

Central Library Media Hall

14:40-16:10 Professor Stefan Wolf,

(Università della Svizzera Italiana, Switzerland) http://cqi.inf.usi.ch/index.php "An All-Or-Nothing Flavor to the Church-Turing Hypothesis"

Landauer's principle claims that "Information is Physical." It is not surprising that its conceptual antithesis, Wheeler's "It from Bit," has been more popular among computer scientists — in the form of the Church-Turing hypothesis: All natural processes can be computed by a universal Turing machine; physical laws then become descriptions of subsets of observable, as opposed to merely possible, computations. Switching back and forth between the two traditional styles of thought, motivated by quantum-physical Bell correlations and the doubts they raise about fundamental space-time causality, we look for an intrinsic, physical randomness notion and find one around the second law of thermodynamics. Bell correlations combined with complexity as randomness tell us that beyond-Turing computations are either physically impossible, or they can be carried out by "devices" as simple as individual photons.









July 19, Wednesday

Lecture III

College of Engineering and Science B201

9:20-9:50 Associate Professor Kazuhide Ueno "Ionic liquids and their energy applications" http://mwatalab.xsrv.jp/

- 10:00-10:30Professor Mahito Atobe"Preparation of Transparent Nanoemulsion Using Tandem AcousticEmulsification and Application to Polymer Material Synthesis"http://www.atobe-lab.ynu.ac.jp/
- 10:40-11:30
 Mr. Mahesh Kodoth (Research Scholar)

 "Career development and Technical Process Safety"

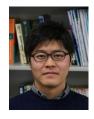
Lecture IV

College of Engineering and Science B201

- 13:00-13:30 Professor Hitoshi Habuka "Reaction & reactor engineering for semiconductor materials production" http://www.habukalab.ynu.ac.jp/
- 13:40-14:10 Professor Junji Shikata "Modern Cryptography" http://www.slab.ynu.ac.jp/en/index.html
- 14:20-14:50
 Professor Hideaki Yoshitake

 "Size and Materials Chemistry"

 http://er-web.jmk.ynu.ac.jp/html/YOSHITAKE_Hideaki/en.html













Special Session

College of Engineering and Science B201

15:00-16:00 Professor Suda Aruna Rohra (Nagaoka University of Technology)

"Your career, India's future and Japan"

In the coming decades, India needs to make the transition from a developing to a developed nation. YOU are our team which will be making this happen, and if there is any ONE country which can help us achieve that - it is JAPAN.

About Dr. Aruna Rohra Suda Founder and CEO of Saora Inc, a software company founded 1999, in Yokohama. Currently also serving as Professor at Center for International Exchange and Education, Nagaoka University of Technology. Prior to that, worked for Canon Inc at their R&D Headquarters in Tokyo, being their first foreign employee to be recruited from abroad, in 1984. PhD in Physics from Indian Institute of Technology, Delhi.



July 25, Tuesday

Lecture V

Chemical and Safety Eng. Bldg. Room 111

8:50-9:20 Professor Shigenori Mitsushima "Research activity on hydrogen and fuel cells at the Institute of Advanced Sciences & Green Hydrogen Research Center, Yokohama National University"

- 9:30-10:00 Professor Katsunari Yoshioka "IoT Security" http://ipsr.ynu.ac.jp http://yoshioka.ynu.ac.jp
- 10:10-10:40 Assistant Professor Shinichi Shirakawa "Deep Learning and Its Architecture Optimization" http://shiralab.ynu.ac.jp/en/
- 10:50-11:20 Professor Ryuji Kohno "Smart Dependable Wireless Body Area Network(BAN) for Advanced Medical Healthcare - Joint Research, Development, Standard, Regulation and Business -" Abstract









Lecture VI

Chemical and Safety Eng. Bldg. Room 111

13:00-13:30 Professor Nobuyuki Yoshikawa "Present status and perspective of VLSI technology" http://www.yoshilab.dnj.ynu.ac.jp/yoshilab_hp/index_english.html

 13:40-14:10
 Associate Professor Akihiko Ito

 "Ceramic Coatings for Structural and Functional Applications"

 http://er-web.jmk.ynu.ac.jp/html/ITO_Akihiko/en.html

14:20-14:50 Assistant Professor Tetsuya Nakagawa "Photochromism: A photo responsive molecular system" http://www.yokoyama-lab.ynu.ac.jp/index_en.html

15:00-15:30 Associate Professor Tomoyuki Shimono "Haptic Robots for Physical Human Support" http://www.tsl.ynu.ac.jp/index.html

15:40–16:10 Associate Professor Motoyuki Iijima "Nanoparticle surface design for functional compiste materials" http://ceramics.ynu.ac.jp/

16:10–16:40 Professor Shinji Okazaki "Development of a fiber-optic hydrogen gas sensor" http://er-web.jmk.ynu.ac.jp/html/OKAZAKI_Shinji/en.html













Student Exchange Sessions Poster Session & Open Laboratory

July 21, Friday

Student Exchange Poster Session

Central Library Hall 1F9:30Poster setting10:00-11:15Student Exchange Poster Session

Open Laboratory Session

Chemical and Safety Eng. Bldg. Room 111

13:00	Guidance
13:10-13:40	Ocean Engineering Building (Associate Professor Yoshiaki Hirakawa)
14:00-14:50	Group 1 Green Hydrogen Research Center (Associate Professor Koichi Matsuzawa)
	Group 2 Open Lab at electrical engineering and computer science laboratories
	(Arakawa Lab., Kohno Lab.)
15:00-16:00	Group 1 Open Lab at chemical, bio, and energy engineering laboratories
	(Associate Professor J. Fukuda Lab., Associate Professor K. Nakamura Lab.,
	Professor M. Kaminoyama Lab., Professor J. Tatami (Ceramic) Lab.,
	Professor Y. Satsumoto (Textile) Lab.)

Group 2 Green Hydrogen Research Center



FCV (Fuel Cell Vehicle) MIRAI

Industrial Visits and Cultural Excursions

July 15, Saturday

Attendants

Professor Koichi Nishino Assistant Professor Taishi Yano Students, Noboru Yamamoto, Nobuhiro Shitomi, Yuki Mabuchi

Destinations

Toshiba Science Museum

http://toshiba-mirai-kagakukan.jp/en/index.htm



Kawasaki Daishi





10:00	Meeting at Minesawa dormitory
10:30	Mitsuzawa-Kamicyo Station (Subway blue line)
10:45	Yokohama Station (Keikyu Line)
11:00	Keikyu Kawasaki station
11:30-13:30	Toshiba Science Museum
13:45	Lunch Restaurant NAINA https://tabelog.com/kanagawa/A1405/A140501/14038696/
15:00	Keikyu karasaki station to Kawasaki Daishi Station
15:30-17:30	Kawasaki Daishi
17:45	Kawasai Daishi to Mitsuzawa-Kamicyo Station
18:45	Dinner Restaurant PURNIMA
https://tabelog.com/kanagawa/A1401/A140209/14037814/	
20:30	Minesawa dormitory

July 17[,] Monday

Attendants

Professor Atsushi Suzuki Associate Professor Kazuho Nakamura

Destinations

TEPIA Advanced Technology Gallery (http://www.tepia.jp/english)

2-8-44 Kita-Aoyama, Minato-ku, Tokyo 107-0061, Japan

English guide tour with a attendant

Theater and Video Library

Free Discussion



Special Event Visit to the Embassy of India, Tokyo, 2-2-11 Kudan-Minami, Chiyoda-ku, Tokyo 102-0074



Schedule

9:00	Meeting at Minesawa dormitory
10:30-12:00	TEPIA Advanced Technology Gallery
12:45	Lunch
14:30	the Embassy of India, Tokyo
15:00	Walking around Tokyo Imperial Palace
16:30	Shinkansen from Tokyo to Shin-Yokohama





TEPIA Advanced Technology Gallery



Walking around Tokyo Imperial Palace

July 18, Tuesday

Attendants

Professor Atsushi Suzuki Associate Professor Kazuho Nakamura

Destinations

Nisshin Oillio Yokohama Isogo Plant

http://www.nisshin-oillio.com/english/index.shtml







JAMSTEC(Japan Agency for Marine-Earth Science and Technology)

Yokohama Institute for Earth Sciences

http://www.jamstec.go.jp/e/







8:15	Meeting at Minesawa dormitory
8:45	Mitsuzawa-Kamicyo Station (Subway blue line)
9:15	Yokohama Station (JR Negishi Line)
9:45	Isogo Station (JR Negishi Line)
10:00-11:30	Nisshin Oillio Isogo Plant
11:45	Isogo Station to Shinsugita Staion (JR Negishi Line)
12:45	Lunch Restaurant
14:00-16:30	JAMSTEC Yokohama Institute for Earth Sciences
	Lecture of Dr. Swadhin K. Behera
17:00	Isogo Station to Yokohama Station (JR Negishi Line)

July 20, Thursday

Attendants

Associate Professor Kazuho Nakamura Professor Atsushi Suzuki (Special Event)

Destinations

Chiyoda Corp. https://www.chiyoda-corp.com/en/

10:00 Welcome address

10:05 Introduction of company

10:15-10:40 Active Indians in Chiyoda Corp.

Commissioning Unit Mr. KULIN BUDHBATTI SURESHCHANDRA

10:40-10:50 Free discussion

10:50-11:25 Research and Development of Hydrogen Energy in Chiyoda Corp.

Technology Development Unit Dr. Yoshimi Okada

11:25-11:35 Q&A

Yokohama Waterworks Bureau Nishiya Water Production Plant Waterworks commemoration hall





http://www.city.yokohama.lg.jp/suidou/language/english/hall.html

****Special Event*** Courtesy Call to Dr. Purnima Rupal, Counsellor (Science & Technology), Embassy of India Tokyo

8:15	Meeting at Minesawa dormitory
8:30	Mitsuzawa-Kamicyo Station (Subway blue line) to Yokohama Station (JR Negishi Line)
10:00-11:30	Chiyoda Corp.
11:45	Lunch (Restaurant)
12:45	Sakuragicyo Station(JR Negishi Line) to Kamihoshikawa station (Sotetsu Line)
13:15-16:00	Nishiya Water Production Plant, Waterworks commemoration hall
	(With Japanese students.)
17:30	Meet at Yokohama Station, Move to Tokyo by train
19:00-22:00	Courtesy Call to Dr. Purnima Rupal at her Residence
	Shirokanedai, Minato-ku, Tokyo 108-0071
24:00	Minesawa dormitory







July 24, Monday

Attendants

Associate Professor Kazuho Nakamura

Destinations

Minato Mirai area (New and historical area)

http://www.yokohamajapan.com/





Support and Cooperation with

Mr. Toshihiro Watanabe, Yokohama India Center, Naka-ku, Yokohama

Yokohama City Water Treatment Plant (Northern Second Water Regeneration Center)

http://www.city.yokohama.lg.jp/kankyo/gesui/centerinfo/02wtc/

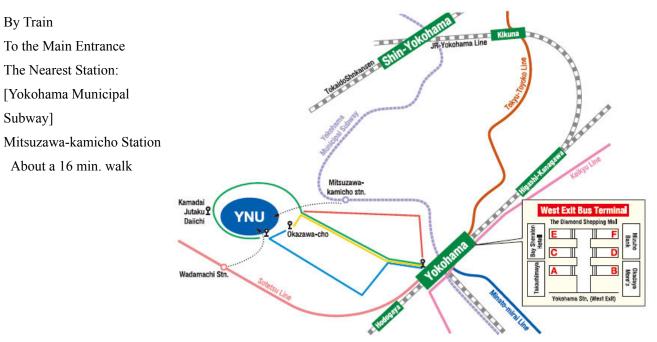




8:00	Meeting at Minesawa dormitory
8:30	Mitsuzawa-Kamicyo Station (Subway blue line)
8:45	Sakuragicyo (Subway blue line)
9:00-11:30	Minato Mirai - Kannai
10:00-11:30	Nisshin Oillio Isogo Plant
11:30	Lunch Restaurant CALCUTTA https://tabelog.com/kanagawa/A1401/A140104/14054769/
12:15	Kannai Station (JR Negishi line)
13:15	Tsurumi Station (JR Negishi line)
13:30	(Public Bus)
14:00-16:00	Yokohama City Water Treatment Plant
16:30	Tsurumi Station (JR Negishi Line)
17:00	Yokohama Station



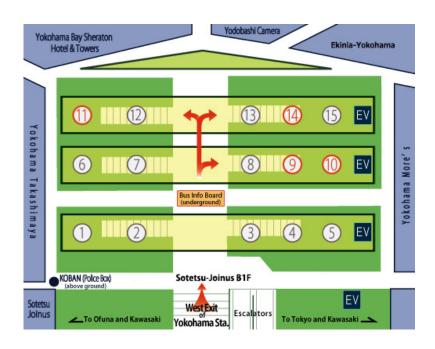
How to reach YNU from Yokohama Station



By Bus / Taxi

(The West Exit of Yokohama Station).

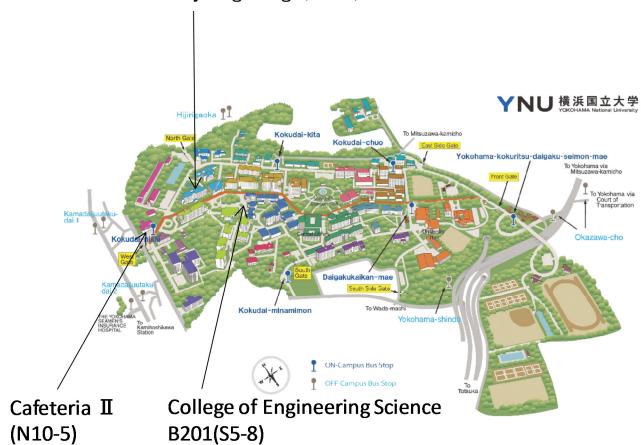
It takes 15-20 minutes from the bus terminal at the West Exit of Yokohama Station to YNU





http://www.ynu.ac.jp/english/access/index.html

Campus Map



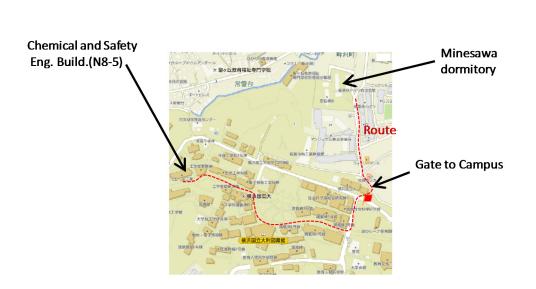
Chemical and Safety Eng. Bldg. (N8-5)

http://www.ynu.ac.jp/english/access/map_campus.html



YNU Minesawa dormitory (accommodation for students)

305-1 Minesawacyo Hodogaya-ku, Yokohama, 240-0061 https://goo.gl/maps/cd7D7Dzr6AS2







YNU Intl Student House (accommodation for faculty members)

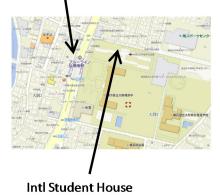
31-1 Ohoka 2 chome, Minami-ku, Yokohama, 232-0061 https://goo.gl/maps/TsRWm8xWhen



Main gate of YNU

Gumyoji station (Subway blue line No.12)





Appendix

For your free activity on holidays, please refer these web sites.

YOKOHAMA Official Visitor's Guide

http://www.yokohamajapan.com/





GO TOKYO Official Tokyo Travel Guide https://www.gotokyo.org/en/index.html





Official Visitor Guide VIST KAMAKURA https://www.city.kamakura.kanagawa.jp/visitkamakura/en/index.html





Acknowledgement

This Programme FOREIGN TECHNICAL TRAINING PROGRAMME (FTTP) was financed by the Government of Tamil Nadu, India. The contents of the Programme were planned by the organizing committee (Associate Prof. Nakamura took the leadership) at YNU, and conducted by cooperation of many volunteers at YNU and City of Yokohama, Companies at Yokohama, and the Embassy of India, Tokyo. It was also supported in part by the special fund at YNU leading to development of international collaboration. Sincere gratitude to the volunteers is offered for their warm support.

Organizing Committee

Prof. N. RAJENDRANDirector, Centre for International Affairs, Anna UniversityAssociate Prof. P. VALSALALDuputy Director, Centre for International Affairs, Anna UniversityAssociate Prof. M. ARIVANANDHANCentre for Nanoscience and Technology, Anna University

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Prof. Meguru KAMINOYAMA Assistant Prof. Tadashi NITTAMI Prof. Koichi NISHINO Prof. Yoshihiro KUBOTA Associate Prof. Kazuho NAKAMURA Prof. Junichi TATAMI Associate Prof. Akihiko ITO Prof. Masahiro ISHIKAWA

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Special Thanks to

Prof. Seiya NEGAMI	
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Prof. Masayoshi WATANABE	
Dean of College of Engineering Sc	cience & Graduate School of Engineering
Prof. Fumihiko NAKAMURA	
Vice President of YNU & Internati	ional Strategy Organization Executive Director
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Mr. Mahesh KODOTH (Research Scholar at Associate Prof. Shibutani Lab.) Dr. Swastibrata BHATTACHARYYA (Postdoctoral fellow at Prof. Ohno Lab.)



Snap Shot of Students and Participants at the Welcome party in YNU on the 12th July.

The Foreign Technical Training Programme (FTTP) at Yokohama National University for Anna University and Government Engineering Colleges of Tamil Nadu









July 12 – 27, 2017 Yokohama, Japan