

<p style="text-align: center;">WE1: Tutorial Session Wednesday, June 26th, 2019, 13:00-14:00 RUS, Nonthabuuri, Thailand</p> <p>Chairs: Satoshi Yoshida, Kagoshima Univ., Japan Nonchanutt Chudpooti, KMUTNB, Thailand</p>	<p style="text-align: center;">WE2: Student Competition Wednesday, June 26th, 2019, 14:10-17:10 RUS, Nonthabuuri, Thailand</p> <p>Chairs: Satoshi Yoshida, Kagoshima Univ., Japan Nonchanutt Chudpooti, KMUTNB, Thailand</p>	<p style="text-align: center;">Photo Session Wednesday, June 26th, 2019, 17:10-17:30 RUS, Nonthabuuri, Thailand</p> <p>Chairs: Satoshi Yoshida, Kagoshima Univ., Japan Nonchanutt Chudpooti, KMUTNB, Thailand</p>
<p>WE1-01 TBD</p> <p>13:00</p> <p>13:30</p>	<p>WE2-01</p> <p>14:10 Student Design Competition</p> <p>17:10</p>	<p>17:10 Photo Session</p> <p>17:30</p>
<p>WE1-02 TBD</p> <p>13:30</p> <p>14:00</p>		
<p style="text-align: center;">Opening Ceremony Thursday, June 27th, 2019, 10:00-10:30 RUS, Nonthabuuri, Thailand</p> <p>Chairs: Pramuk Unahalekhaka, RUS, Thailand Kensuke Okubo, Okayama Pref. Univ., Japan</p>	<p style="text-align: center;">TH1: Novel Material Evaluation Technologies Thursday, June 27th, 2019, 13:50-15:10 RUS, Nonthabuuri, Thailand</p> <p>Chairs: Masahiro Horibe, AIST, Japan TBD, Thailand</p>	<p style="text-align: center;">TH2: Innovative Electro Magnetic Technologies Thursday, June 27th, 2019, 16:25-17:30 RUS, Nonthabuuri, Thailand</p> <p>Chairs: TBD, Thailand Kenjiro Nishikawa, Kagoshima Univ., Japan</p>
<p>Opening Remark</p> <p>10:00</p> <p>10:30</p>	<p>TH1-01 [Invited] Material Characterization for 5G and Beyond - Nano-scale measurement, Material Characterization and Circuit Application -</p> <p>13:50 Masahiro Horibe</p> <p>14:10 AIST, Japan</p>	<p>TH2-01 Geometry of Dispersion Surfaces in Bi-anisotropic Systems</p> <p>16:25 Kei Sawada*, Kohei Iida, Atsushi Sanada</p> <p>16:40 *RIKEN, Japan, #Osaka Univ., Japan</p>
<p style="text-align: center;">Plenary Session Thursday, June 27th, 2019, 10:30-11:50 RUS, Nonthabuuri, Thailand</p> <p>Chairs: Pramuk Unahalekhaka, RUS, Thailand Kensuke Okubo, Okayama Pref. Univ., Japan</p>	<p>TH1-02 Determination of Effective Permittivity of Transverse Composite Dielectric by Waveguide Modal Analysis Technique</p> <p>14:10 Tuptim Angkaew</p> <p>14:25 Chulalongkorn Univ., Thailand</p>	<p>TH2-02 A Simple Interpretation for the Repeating WPT Characteristics</p> <p>16:40 Takashi Yoshikawa, Yuuki Kamuro</p> <p>16:55 Kindai University Technical College, Japan</p>
<p>Plenary [Invited] Quo Vadis, Microwaves and TJMW?</p> <p>10:30 Ikuo Awai</p> <p>11:10 Ryutech, Japan</p>	<p>TH1-03 A Microstrip Folded Resonator Sensor for Measurement of Dielectric Constant</p> <p>14:25 Somporn Seewattanapon*, Thanakit Wattakeekamthorn#, Tanee Somwong*, Prayoot Akkaraekthalin**</p> <p>14:40 *RMUTSB, Thailand, #RMUTP, Thailand, **KMUTNB, Thailand</p>	<p>TH2-03 Holographic Control of Electric Field Distribution for Mobile Communication</p> <p>16:55 Masahiro Daibo, Hiroshi Okazaki, Yasunori Suzuki</p> <p>17:10 *Iwate Univ., Japan, #NTT DOCOMO, Japan</p>
<p>Plenary [Invited] TBD</p> <p>11:10 TBD</p> <p>11:50 TBD, Thailand</p>	<p>TH1-04 A Dual Microstrip Resonator for Liquid Dielectric Constant Measurement</p> <p>14:40 Warunee Krudpun*, Somporn Seewattanapon*, Prayoot Akkaraekthalin#</p> <p>14:55 *RMUTSB, Thailand, #KMUTNB, Thailand</p>	<p>TH2-04 [Invited] Study on Spectrum in the Frequency Range 100-450 GHz at ITU-R</p> <p>17:10 Hiroyo Ogawa</p> <p>17:30 NICT, Japan</p>
	<p>TH1-05 PSE-Coated Interdigital Resonator for Selective Detection of Ammonia Gas Sensor</p> <p>14:55 Warunee Krudpun*, Nonchanutt Chudpooti*, Panida Lorwongthagoool#, Somporn Seewattanapon#, Prayoot Akkaraekthalin*</p> <p>15:10 *KMUTNB, Thailand, #RUS, Thailand</p>	

YE: Young Engineers Session
 Thursday, June 27th, 2019, 12:50-13:40 & 15:30-16:15 3min. Oral
 Friday, June 28th, 2019, 10:10-12:10 Poster
 Chairs: Tubtim Angkaew, CU, Thailand
 TBD, Thailand,
 Toshihiko Hamasaki, Hiroshima Inst. of Tech., Japan
 Masataka Ohira, Saitama Univ., Japan

<p>YE-01 Analysis of Periodic Networks Using the Moment Method</p> <p>Pisit Sornla, Somsak Akatimagool, Danai Torrungrueng</p> <p>KMUTNB, Thailand</p>	<p>YE-06 Design of Substrate Integrated Waveguide Type Butler Matrix at 12.5GHz</p> <p>Kohei Fukuda, Koki Denda, Tadashi Kawai, Akira Enokihara</p> <p>Univ. of Hyogo., Japan</p>	<p>YE-11 A Miniurized Planar Sensor using Minkowski Fractal Technique for Material Characterization</p> <p>Nattapong Duangrit, Nonchanutt Chudpooti, Prayoot Akkaraekthalin</p> <p>KMUTNB, Thailand</p>
<p>YE-02 Analysis and Optimization of GaN Diode Structure for High Power and High Efficiency Rectifier</p> <p>Takuya Obara*, Kenjiro Nishikawa*, Shigeo Kawasaki#</p> <p>*Kagoshima Univ., Japan, #JAXA, Japan</p>	<p>YE-07 Ground Penetrating Radar C-Scan Imaging Using Migration Technique</p> <p>Sirisak Nongpromma, Kiattisak Yochanang, Akkarat Boonpoonga</p> <p>KMUTNB, Thailand</p>	<p>YE-12 Study on a sub-THz band grooved circular empty cavity for low loss dielectric material evaluations</p> <p>Taiki Kimura, Yoshinori Kogami, Takashi Shimizu</p> <p>Utsunomiya Univ., Japan</p>
<p>YE-03 Zeroth Order Resonator Based on Mushroom-like Structure for Glucose Liquid Mixture Characterization</p> <p>Tanaporn Pechrkool*, Nonchanutt Chudpooti*, Tanan Hongnara*, Sarawuth Chaimool#, Prayoot Akkaraekthalin*</p> <p>*KMUTNB, Thailand, #KKU, Thailand</p>	<p>YE-08 Design of 5.8 GHz band coaxial line type reaction chamber for microwave heating</p> <p>Hiroyuki Urushihara*, Mitsuyoshi Kishihara*, Kensuke Okubo*, Kazunori Yamashita#, Munetaka Kishi#, Takeko Matsumura**</p> <p>*Okayama Pref. Univ., Japan, #K-NEX Co.,Ltd., Japan, **Minerva Light Labo., Japan</p>	<p>YE-13 Watermelon meter based on reflection measurement</p> <p>Nakarin Insaeng, Chayanat Rattanajumngong, Paiboon Yoiyod</p> <p>RSU, Thailand</p>
<p>YE-04 Theory of 2-port noise parameter transformation by lossless feedback and its application to LNA design</p> <p>Kosuke Ono, Shuhei Amakawa</p> <p>Hiroshima Univ., Japan</p>	<p>YE-09 Experimentation for Electrical Properties of Layered-Soil using Ground Penetrating Radar</p> <p>Nattawat Chantasen*, Worrathep Chompoosawat*, Akkarat Boonpoonga*, Kamol Kaemarungsi#, Krit Athikulwongse#</p> <p>*KMUTNB, Thailand, #NSTDA, Thailand</p>	<p>YE-14 Development of a 5.8-GHz Magnetron Phased Array</p> <p>Jie Chu, Bo Yang, Naoki Shinohara, Tomohiko Mitani</p> <p>Kyoto Univ., Japan</p>
<p>YE-05 Planar Sensor using Combination Fractal Technique for Soil Moisture Measurement</p> <p>Chatchai Chokchai, Thitima Phuyanon, Jittima Kongkaew</p> <p>RMUTT, Thailand</p>	<p>YE-10 Evaluation of Electromagnetic Field in the Incubator for Evaluating Electromagnetic Field Effect on Cell</p> <p>Ryosuke Momiki, Naoki Shinohara, Jun Miyakoshi, Tomohiko Mitani</p> <p>Kyoto Univ., Japan</p>	

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Thursday, June 27th, 2019, 12:50-13:40 & 15:25-16:15 3min. Oral

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Chairs: Tubtim Angkaew, CU, Thailand

TBD, Thailand,

Toshihiko Hamasaki, Hiroshima Inst. of Tech., Japan

Masataka Ohira, Saitama Univ., Japan

YE-15 Design of a 30GHz band Coplanar type H-slot Resonator with High Temperature Superconductor Shota Kanaoto, Yoshinori Kogami, Takashi Shimizu Utsunomiya Univ., Japan	YE-20 Antenna Design for NFC Technology of First-Aided Information Neeranet Sawigun, Plairung Siripanthong, Pittayarat Yamyuean, Arnon Sakonkanapong, Chuwong Phongcharoenpanich KMITL, Thailand	YE-25 Fabrication of Rectenna with 10 kOhm Antenna and SOI-MOSFET Diode for RF Energy Harvesting Ryota Yanagi, Yasunori Tsuchiya, Jiro Ida, Takayuki Mori, Takuya Yamada, Keisuke Noguchi, Kenji Itoh KIT, Japan
YE-16 Low Cost and Alterable Planar Filters on Fabricated with Additive Manufacturing 3D Printing Technology Kamonpan Kaewheang, Chonnipa Thanomdumrongsak, Amornsak Rattanawongsawat, Sarawuth Chaimool KKU, Thailand	YE-21 Wide Dynamic Range Rectifier Circuit With Varactor Tuned Matching Circuit Hayato Shimizu, Ayako Suzuki, Koshi Hamano, Kenjiro Nishikawa Kagoshima Univ., Japan	YE-26 Experimental Investigation of Metasurface in Non-Radiative Mid-Range Wireless Power Transfer Chawalit Rakluea*, Sarawuth Chaimool#, Yan Zhao**, Prayoot Akkaraekthalin* *KMUTNB, Thailand, #KKU, Thailand, **CU, Thailand
YE-17 Design of Compact Wideband Bandstop Filters Using Microstrip Ring Structures Toshiki Tabei, Zhewang Ma, Masataka Ohira Saitama Univ., Japan	YE-22 The Study of Wideband Circularly Polarized Stacked Microstrip Patch Antenna Sathaporn Konjanthes, Wanwisa Thaiwirot, Prayoot Akkaraekthalin KMUTNB, Thailand	YE-27 Study on Estimation Method of Directions and Distances for Microwave Power Transmission to Moving Targets Hiroyuki Matsubara, Seishiro Kojima, Naoki Shinohara, Tomohiko Mitani Kyoto Univ., Japan
YE-18 A Compact Wide Slot Antenna with a Double-Shaped Feeding Strip for GPR Applications Thanakorn Sutham, Wanwisa Thaiwirot, Prayoot Akkaraekthalin KMUTNB, Thailand	YE-23 2.4GHz and 920MHz RF Propagation in the Grain Filling Stage of Paddy Field Yoshitaka Yamaoka, Daisuke Kuramoto, Toshihiko Hamasaki HIT, Japan	
YE-19 Investigation of Rectifier Operation with Pulse Wave Signals Runyuan Li, Kenjiro Nishikawa Kagoshima Univ., Japan	YE-24 A Tri-band Rhombic Ring Monopole Antenna with Strip Based on Fractal Geometries Norakamon Wongsin*, Thanakarn Suangun#, Chatree Mahatthanajatuphat#, Prayoot Akkaraekthalin# *RMUTT, Thailand, #KMUTNB, Thailand	

FR1: Novel Microwave Circuit Technologies Friday, June 28th, 2019, 9:00-10:00 RUS, Nonthaburi, Thailand		FR2: Special Session: Anniversary Session Friday, June 28th, 2019, 13:00-14:20 RUS, Nonthaburi, Thailand		Award Ceremony Friday, June 28th, 2019, 14:20-14:50 RUS, Nonthaburi, Thailand	
Chairs:	TBD, Thailand Tadashi Kawai, Univ. of Hyogo, Japan	Chairs:	Pramuk Unahalekhaka, RUS, Thailand Kensuke Okubo, Okayama Pref. Univ., Japan	Chairs:	Tubtim Angkaew, CU, Thailand TBD, Japan
FR1-01	An X-band Portable 3D-printed Lens Antenna with Integrated Waveguide Feed for Microwave Imaging	FR2-01	[Invited] Ten-year history of TJMW and mobile phones		
9:00	Nonchanutt Chudpooti, Prayoot Akkaraekthalin	13:00	Hiroshi Okazaki	14:30	
9:15	KMUTNB, Thailand	13:20	NTT DOCOMO, Japan	15:00	
FR1-02	A Fully Reconfigurable Microstrip Transversal Resonator Array Bandpass Filter	FR2-02	[Invited] TBD		
9:15	Masataka Ohira, Shuma Hashimoto, Zhewang Ma	13:20	TBD		
9:30	Saitama Univ., Japan	13:40	TBD, Thailand		
FR1-03	Auto-Encoder/Decoder for Planar Filter Analysis/Synthesis	FR2-03	[Invited] Ten-year history of TJMW (Tentative)		
9:30	Kosuke Katayama, Takaaki Baba	13:40	Atsushi Sanada	14:50	
9:45	Waseda Univ., Japan	14:00	Osaka Univ., Japan	15:00	
FR1-04	Dual-Band Phase Shifter for Mobile Communication System	FR2-04	[Invited] TBD		
9:45	Yasunori Suzuki, Hiroshi Okazaki	14:00	TBD		
10:00	NTT DOCOMO, Japan	14:20	TBD, Thailand		
					Closing Friday, June 28th, 2019, 14:50-15:00 RUS, Nonthaburi, Thailand Chairs: Pramuk Unahalekhaka, RUS, Thailand Kensuke Okubo, Okayama Pref. Univ., Japan
					Closing Remark