



WORKSHOP OF ADVANCED
COMPOSITES (WAC) 2017
in Ueda, Japan



ORGANIZED BY

**Advanced Composite Committee &
Institute for Fiber Engineering
AREC 4F, Shinshu University (Japan)
November 10-12, 2017**

Schedule at a glance

November 10	Registration and welcome meeting
November 11	AREC 4F, Faculty of Textile Science & Technology
9:00-9:30	Registration (Room: AREC 4F)
9:30-9:40	<i>Chair: Qingqing Ni</i> Welcome Speech
9:40-10:10	Keynote 1: Yiping Qiu (Donghua University, China)
10:10-10:40	Keynote 2: Guangzhe Dai (Xinan Jiaotong University, China)
10:40-11:10	<i>Chair: Qiuran Jiang</i> Keynote 3: Masayuki Takatera (Shinshu University, Japan)
11:10-11:40	Keynote 4 : Lan Yao (Donghua University, China)
11:40-12:00	Oral 1 : Yehua Sun (Zhejiang Sci-Tech University, China)
12:00-13:30	Lunch
13:30-13:50	<i>Chair: Yiping Qiu</i> Greeting and School Introduction (Makoto Shimosaka, The Dean of FTST, Shinshu University)
13:50-14:20	Keynote 5: Qiuran Jiang (Donghua University, China)
14:20-14:50	Keynote 6: Toshiaki Natsuki (Shinshu University, Japan)
14:50-15:20	Keynote 7: Jinxiang Chen (Southeast University, China)
15:20-15:30	Coffee break
15:30-16:00	<i>Chair: Guangzhe Dai</i> Keynote 8 : Wanshuang Liu (Donghua University, China)
16:00-16:20	Oral 2 : Xiong Deng (Donghua University, China)
16:20-16:40	Oral 3 : Lujun Yu (Zhejiang Sci-Tech University, China)
16:40-17:00	Keynote 9: Qing-Qing Ni (Shinshu University, Japan)
17:00-18:00	Poster Presentation

Program

KP-01	Preparation of Natural Plant Nano – Cellulose and the Study Of Using the Nano – Cellulose Film as Separator in Lithium Ion Battery Yiping Qiu (Donghua University, China)
KP-02	Key Materials Applications in High-speed EMU of China, Guangzhe Dai (Xinan Jiaotong University, China)
KP-03	Measurement and prediction of basic mechanical properties for fabric Masayuki Takatera (Shinshu University, Japan)
KP-04	New Generation of Filters with Electrostatic Charge for Gas Filtration Qiuran Jiang (Donghua University, China)
KP-05	Computer simulations of the mechanical properties for carbon nanotubes and their application Toshiaki Natsuki (Shinshu University, Japan)
KP-06	The beetle elytron plate and the anti-compressive mysteries stored in its core trabecular-honeycomb structure Jinxiang Chen (Southeast University, China)
KP-07	Fabrication and Properties of Apocynum Fiber Reinforced Polylactic Composites Lan Yao (Donghua University, China)
KP-08	Structure variations of graphene oxide with different oxidation levels and their effects on the properties of epoxy composites Wanshuang Liu (Donghua University, China)
KP-09	Textile and Composite Researches in Shinshu University Qing-Qing Ni (Shinshu University, Japan)
OP-01	Shape memory and mechanical properties of silk fibroin/poly(ϵ -caprolactone) composites Yehua Sun (Zhejiang Sci-Tech University, China)
OP-02	Effect of Silver Nanoparticles Loading on Electrospinning Behavior Xiong Deng (Donghua University, China)
OP-03	Facile fabrication of sheet-like cobalt/carbon composites for microwave absorption Lujun Yu (Zhejiang Sci-Tech University, China)
PP-01	Enhance interfacial properties of glass fiber/epoxy composites with environment-friendly water-based hybrid sizing agent Yaqin Fu (Zhejiang Sci-Tech University, China)
PP-02	Waxberry-like carbon@polyaniline microspheres with high-performance microwave absorption Yaofeng Zhu (Zhejiang Sci-Tech University, China)
PP-03	Preparation and characterization of silicone modified polyurethane nanofibers Chuan Yin (Shinshu University, Japan)
PP-04	Functional nanocomposites for nanopositioning Hairong Chen (Shinshu University, Japan)
PP-05	The effect of hydroxyapatite nanoparticles on mechanical behavior and biological performance of porous shape memory polyurethane scaffolds Jihong Yu (Shinshu University, Japan)
PP-06	A hybrid core layer design for a novel damping material Takuo Hashidume (Shinshu University, Japan)

PP-07	The preparation of SMPU/PZT piezoelectric fibers Xiaoyu Guan (Shinshu University, Japan)
PP-08	Improve shellac medicated nanofiber drug release effect in skin care system, preparation, characterization and drug release properties Ke Ma (Shinshu University, Japan)
PP-09	Properties and mechanism of multi-shape stimuli-responsive polymer composite based on a new SMP foam materials Jin Hui (Shinshu University, Japan)
PP-10	Effect of Fiber Orientation on Electromagnetic Interference Shielding Effectiveness of CFRP Laminates Jun Hong (Shinshu University, Japan)
PP-11	Development of Graphene in Functional Composite Field Yongjie Yan (Shinshu University, Japan)
PP-12	Delamination Detection of CFRP Laminates by EMI SE Method Hisaaki Morikawa (Shinshu University, Japan)
PP-13	Creation and Characterization of CFRP laminar with connecting wefts Kazuki Hibino (Shinshu University, Japan)
PP-14	Structure analysis of needle-punched nonwoven fabric by X-ray computed tomography Daisuke Ohga (Shinshu University, Japan)
PP-15	Preparation and Analysis of structure for Cellulose Nano Fiber/ Polypropylene Composite Fibers Kahoko Nogami (Shinshu University, Japan)
PP-16	The influence of plasticizer on mechanical and dielectric properties of Thermoplastic Polyurethane Chongchao Li (Shinshu University, Japan)