Welcome to APFIS2012 in Sapporo

APFIS2012 is the third IIFC Asia-Pacific regional conference on the research and application of fiber reinforced polymers (FRP) in civil and architectural engineering structures to be held in Sapporo, Japan from 2 to 4 February 2012. APFIS2012 aims to continue the success of the preceding conferences held in Hong Kong, China in 2007, and Seoul, Korea in 2009 with expecting participation from the Asia-Pacific region and various parts of the world.

APFIS2012 includes 6 keynote and 66 general papers as well as 11 posters. The first authors of 42 papers are from Asia, while 12 papers each are from Oceania and North America and 6 papers from Europe with the biggest contribution, 22 papers from the host country, Japan. Presentations are made either in the technical session or in the poster session. Some of the poster presentations do not have full papers in the proceedings. Topics of the papers cover issues covering strengths (material, anchorage and member), bond, confinement and durability. Structural types dealt with in the papers are not only concrete but also steel and FRP. Hybrid structures and materials using FRP are also the major interests in the papers.

APFIS2012 will be held at Conference Hall, Hokkaido University. Hokkaido University started out in 1876 as Sapporo Agricultural College, the first modern academic institute in Japan. Since the Japanese government’s purpose of setting up SAC was to develop Hokkaido, an untamed land, using the advanced knowledge of foreign faculty and subsequently SAC graduates, civil engineering education in Japan started in earnest at SAC.

Sapporo is the fifth largest city of Japan with a population of more than 1.8 million. It developed as the main urban center of Hokkaido, the northern island of Japan and became well known internationally when in 1972 it became the first Asian city to host the Winter Olympics. Sapporo is also famous for its annual Snow Festival, in which massive ice sculptures adorn Odori Park in the city center. We scheduled this conference to coincide with this event so that participants can experience spectacular snow structures.

Looking forward to seeing you at Sapporo!

APFIS2012, Organizing Committee,
Chairman

Tamon Ueda
Professor, Hokkaido University
DETAIL OF DAILY SESSIONS

Wednesday 1st February, 2012

Registration (15:00-18:00)  Aspen Hotel
Venue : Aspen Hotel

Thursday 2nd February, 2012

Registration (9:00-10:00)  Hall
Room : Hall

Opening Ceremony (9:30-10:15)  Room A
Room : Room A (Large Lecture Room)

Keynote Lectures (10:15-12:50)  Room A
Chair : Prof. N Grace (Lawrence Technological University, USA)
Room : Room A (Large Lecture Room)

KEY01 Performance Evaluation of Precast Concrete Block Reinforced with GFRP Rebars for Erosion Control
Prof. Jongsung Sim

KEY02 Debonding Failures in CFRP-Strengthened Steel Structures
Prof. Jin-Guang Teng

KEY03 Damage of Bridges by the Tsunami and Current Activity of JSCE Committee on Bridge Design against Tsunami
Prof. Kyuichi Maruyama

Lunch (12:50-14:00)

Poster Session (14:00-15:40)  Room S
Chair : Dr. S. Smith (University of Hong Kong, China) and Dr. K. Yamaguchi (Kyushu University, Japan)
Room : Room S (First Conference Room)

P01 Geometrically Nonlinear Stress Analysis for Imperfect CFRP Reinforced Steel Cylinders under Compression
Krishna Kumar Bhetwal, Seishi Yamada, Yukihiro Matsumoto, Sreing Sonit

P02 Static and Fatigue Experimental Study on Flexural Behavior of Hybrid GFRP-Concrete Bridge Decks
Yuqing Liu, Haifeng Fan, Jun He, Dingjun Wu

P03 Flexural Strength Analysis of CFRP Box Beams with Different Laminate Structures
Hiroki Sakuraba, Takashi Matsumoto, Toshiro Hayashikawa

P04 A New Analytical Model for Concrete Cover Separation of R/C Beams Strengthened with FRP Laminates
Dawei Zhang, Tamon Ueda, Hitoshi Furuuchi

P05 Fatigue Test on Out-of-Plane Gusset Welded Joints Strengthened with Carbon Fiber Reinforced Polymer Materials
Tao Chen, Qian-Qian Yu, Xiang-Lin Gu, Xiao-Ling Zhao

P06 Design Equations for Shear Capacity of Concrete Girders Strengthened in Shear with Externally Bonded FRP Sheets
Abdeldjelil Belarbi, Daniel Kuchma, Ayman Okell, Sang-Wook Bae

P07 Performance Evaluation of Different Anchorage Systems for Externally Bonded FRP Sheets for Shear Strengthening of Concrete Structures
Abdeldjelil Belarbi, Carlos Ortega, Sang-Wook Bae

P08 Analysis of The Shear Strength of RC Beams Fully Wrapped with Large Rupture Strain FRP Composites
Jun-Jian Xu, Jian-Guo Dai, Tamon Ueda

P09 Bond Strength between CFRP Plate and Concrete under Fatigue Load
Coffee Break (15:40-16:00)

Session T1A (16:00-18:00) Room A

Title: Strengthening of concrete, metallic, timber and masonry structures
Chair: Prof. J. Sim (Hanyang University, Korea) and Dr. Y. Kurihashi (MURoran Institute of Technology, Japan)
Room: Room A (Large Lecture Room)

T1A01 Comparison of Different Configurations for FRP Strengthening of Masonry Walls
A. Sayari, T. Donchev

T1A02 Experimental Study on Strengthening Effect of CFRP Strand Sheet on RC Beams Applied with Several Kinds of Adhesives

T1A03 Efficiency and Critical Points of Strengthening Masonry Structures with FRP
Jiri Witzany, Tomas Cejka, Radek Zigler

T1A04 Shear Strengthening of RC Beams using FRP Mesh and PVA Short Fiber Mixed Shotcrete
Takuro Nakamura, Fumio Taguchi, Yusuke Kuriihashi, Norimitsu Kishi, Hiroshi Mikami

T1A05 Fibre Composites for High Pressure Pipeline Repairs, in-air and subsea – An Overview
Md Shamsuddoha, Md Mainul Islam, Thiru Aravinthan, Allan Manalo, Kin-tak Lau, David Elder

T1A06 Shear Deformation of RC Beams Jacketed with Large Fracture Strain FRP in the Post-Yielding Region
Tidarut Jirawattanasomkul, Naruse Ryota, Dawei Zhang, Tamon Ueda

Session T1B (16:00-18:00) Room B

Title: Bond behavior and deibonding failures
Chair: Prof. X.L. Zhao (Monash University, Australia) and Prof. S. Yamada (Toyohashi University of Technology, Japan)
Room: Room B (Small Lecture Room)

T1B01 Mechanical Behavior of Plate Bonded FRP Sheets under Uniaxial Compression Load
Yusuke Okuyama, Takeshi Miyashita, Tatsu Ogata, Kazuo Fujino, Kazuo Ohgaki,
Yuya Hidekuma, Wataru Horimoto, Masatsugu Nagai

T1B02 Stress Analysis for Steel Plate Multilayered CFRP under Uniaxial Loading
Takeshi Miyashita, Masatsugu Nagai

T1B03 Experimental Study of The Bond Strength between Steel Substrate and CFRP under Impact Tensile Loads
H. Al-Zubaidy, X.L. Zhao, R. Al-Mahaidi

T1B04 Experimental Study on Debonding Behavior of CFRP for Axial Tensile Reinforced Steel Plate
by CFRP Strand Sheets
Yuya Hidekuma, Akira Kobayashi, Yusuke Okuyama, Takeshi Miyashita, Masatsugu Nagai

T1B05 FRP-to-Metal Bonds: Effect of Test Specimen Configuration on Interfacial Stresses
J.Q. Yang, Scott T. Smith, Peng Feng

T1B06 Tensile and Compressive Test on Thickness-Reduced Steel Plate Repaired by CFRP Strand Sheet and Underwater Epoxy with Bond Defects
Yasuo Kitane, Xiao Chen, Yoshito Itoh, Toshiyuki Ishikawa
Welcome Reception (19:00-)
Room : Room S (First Conference Room)

Friday 3rd February, 2012

Registration (8:30-9:30)
Room : Hall

Session F1A (9:00-10:40)
Room : Room A
Title : Strengthening of concrete, metallic, timber and masonry structures
Chair : Prof. R. Al-Mahaidi (Swinburne University of Technology, Australia) and Dr. F. Taguchi (Civil Engineering Research Institute for Cold Region, Japan)
Room : Room A (Large Lecture Room)
F1A01 Capacity Development of Externally Bonded CFRP Subject to Oscillating Loads During Resin Cure
Kent A. Harries, Wen-wei Wang, Jian-Guo Dai
F1A02 FRP Anchorage Systems for Infill Masonry Structures
Dillon S. Lunn, Sami H. Rizkalla, Shohei Maeda, Tamon Ueda
F1A03 Partially Cured Epoxy Adhesive for Anchoring Prestressed CFRP Strips on Concrete
Julien Michels, Christoph Czaderski, Raafat El-Hacha, Masoud Motavalli
F1A04 The Study of FRP Sheet Effectiveness on Structural Behavioral of AAC Blocks
Asghar V. Oskouei, Christoph Czaderski, Raafat El-Hacha, Masoud Motavalli
F1A05 Feasibility Study on Increasing Bending Stiffness of FRP Girders by Bonding CFRP Strips and Bonding Girder Sections
Onek Denis Obedi, Shuhei Sugai, Hitoshi Nakamura, Ken-ichi Maeda, Ken-ichi Yaginuma

Session F1B (9:00-10:40)
Room : Room B
Title : Confinement and seismic retrofit / Concrete structures reinforced or prestressed with FRP / Fire, impact and blast loading
Chair : Prof. H. Mutsuyoshi (Saitama University, Japan) and Prof. W.C. Xue (Tongji University, China)
Room : Room B (Small Lecture Room)
F1B01 Seismic Performance of Beam-Column Joints Reinforced with GFRP Headed Bars
Mohamed H. Hasaballa, Ehab F. EL-Salakawy
F1B02 Investigation on GFRP Bar Performance in High Strength Concrete Footing
Mohammad Pirgholi Kivi, Hassan Araghi, Asghar Vatani Oskouei
F1B03 Use of CFCC Tendons and Reinforcements in Concrete Structures for Durability
Tsuyoshi Enomoto, Ken’ichi Ushijima
F1B04 Evaluation of A Shear Wall Reinforced with Glass FRP Bars Subjected to Lateral Cyclic Loading
Nayera Mohamed, Ahmed Sabry Farghaly, Brahim Benmokrane, Kenneth W. Neale
F1B05 Stiffness of FRP Pultruded Tubes under Repeated Axial Impacts
Ernesto J. Guades, Thiru Aravinthan, Md. Mainul Islam, Allan C. Manalo

Coffee Break (10:40-11:00)

Session F2A (11:00-12:40)
Room : Room A
Title : Hybrid structures and all FRP structures / Strengthening of concrete, metallic, timber and masonry structures
Chair : Prof. J.G. Teng (Hong Kong Polytechnic University, China) and Prof. T. Shimomura (Nagaoka University of Technology, Japan)
Room : Room A (Large Lecture Room)
F2A01 Seismic Control of Plastic Mechanism of Steel Reinforced Concrete Columns by the Use of GFRP Bars
F2A02  Investigation of Flexural Performance of RC Beams Strengthened with CFRP Textiles and Cement Based Adhesives
Siavash Hashemi  Riadh Al-Mahaidi

F2A03  Strengthening of Flat Plates with An Opening Using FRP Systems
Kiang Hwee Tan

F2A04  Effectiveness of A New CFRP Anchor in Preventing Delamination
Ahmed A.B.Mostafa, A.Ghani Razaqpur

F2A05  Behavior of Laterally Restrained GFRP Reinforced Concrete Slab
Yu Zheng, Chunhong Li, Guoyou Yu

Session F2B (11:00-12:40)  Room B
Title: Durability and long-term performance / Strengthening of concrete, metallic, timber and masonry structures
Chair: Prof. R. El-Hacha (University of Calgary, Canada) and Dr. J.G. Dai (Hong Kong Polytechnic University, China)

F2B01  Fatigue of Center Cracked Steel Plates with UHM CFRP Plate Strengthening
Chao Wu, Xiaoling Zhao, Wenhui Duan, Mohammad R. Emdad, Riadh Al-Mahaidi

F2B02  Enhancement of Mechanical Performance of Steel/CFRP Adhesively-Bonded Joints at Elevated Temperatures through Carbon Nanotube Modification and Curing
Yu Bai, Tien C. Nguyen, Chao Ding, Xiao-Ling Zhao

F2B03  Improving Fatigue Performance of CFRP Strengthened Steel Beams by Applying Vacuum Pressure in the Wet Layup of CFRP Woven Sheets
Hui Jiao, Xiao-Ling Zhao, Fidelis Mashiri

F2B04  Development of Reduction Technique of Thermal Stress Induced in CFRP Bonded Steel Plates
Toshiyuki Ishikawa, Atsushi Hattori, Hirotaka Kawano, Takashi Nagao, Akira Kobayashi

F2B05  Mechanical Characteristics of CFRP Reinforcement for Corroded Steel under Axial Tension
Yukihiro Matsumoto, Nguyen Duc Long, Seishi Yamada, Takahiro Matsu

Lunch (12:40-14:00)

Session F3A (14:00-15:40)  Room A
Title: Hybrid structures and all FRP structures
Chair: Prof. K.H. Tan (National University of Singapore, Singapore) and Dr. P. Feng (Tsinghua University, China)

F3A01  Prediction of The Flexural Behavior of Fibre Composite Sandwich Beams
Allan C. Manalo, Thiru Aravinthan, Karu Karunasena

F3A02  Performance of Newly Developed CFRP Precast Prestressed Decked Bulb T Beams
Nabil Grace, Tsuyoshi Enomoto, Prince Baah, Mena Bebawy

F3A03  Effects of the Material Constants of Bond on Stress Distributions for FRP/ALC Sandwich Slabs
Seishi Yamada, Takeshi Seino, Yukihiro Matsumoto, Hideo Oka

F3A04  The Use of FRCC and FRP for the Joining Method of Permanent Formwork
Qingxu Jin, Christopher K. Y. Leung

F3A05  Structural Behavior of Composite Girders Consisting of Hybrid FRP I-Beam and Precast Ultra High Performance Fiber Reinforced Concrete Slab
Hiroshi Mutsuyoshi, Nguyen Duc Hai, Zhishen Wu

Session F3B (14:00-15:40)  Room B
Title: Durability and long-term performance / Hybrid structures and all FRP structures
Chair: Prof. C.K.Y. Leung (HKUST, China) and Dr. I. Nishizaki (Public Works Research Institute, Japan)

F3B01  Influence of Environmental Temperature for Bond Strength between CFRP Sheet and Concrete
Yasuhiro Koda, Akihisa Kamiharako, Ichiro Iwaki

F3B02  Effect of Adhesive Viscoelasticity on the Creep Behaviour of FRP Strengthened Concrete Beams  
Ehab Hamed

F3B03  Durability of Aramid and Carbon FRP PC Beams under Tidal and Thermal Accelerated Exposure  
Hiroshi Nakai, Hirofumi Watanabe, Tsuyoshi Enomoto, Taketo Uomoto

F3B04  Imperfection Influence on FRP-Plated RC Beams  
Y.C. Guo, G.M. Chen, L.J. Li, F. Liu, B. Yuan, F.M. Ren, P.Y. Huang

F3B05  Fatigue Performance of Hybrid CFRP-GFRP-UHPC Beams  
Donna S.M. Chen, Raafat El-Hacha

Coffee Break (15:40-16:00)

Keynote Lectures (16:00-18:15)  
Chair: Prof. Z.S. Wu (Ibaraki University, Japan)  
Room: Room A (Large Lecture Room)

Key04  Proposals of CF, GF and NF Composites to Civil and Architectural Structures  
Prof. Goichi Ben

Key05  All FRP and FRP-Concrete Hybrid Components for Bridges: Experiments, Theories and Case Study  
Dr. Peng Feng

Key06  Research and Development of Fibre Composites in Civil Infrastructure – The Australian Experience  
Dr. Thiru Aravinthan

Banquet (19:00-)  
Venue: The Sapporo Beer Garden

Saturday 4th February, 2012

Registration (8:30-9:30)  
Room: Hall

Session S1A (9:00-10:40)  
Chair: Dr. Y.F. Wu (City University of Hong Kong, China) and Dr. K. Yonemaru (Shimizu Corporation, Japan)  
Room: Room A (Large Lecture Room)

S1A01  Size Effect of Square Concrete Columns Confined with CFRP Wraps  
Zhenyu Wang, Daiyu Wang, Scott Thomas Smith

S1A02  Shear Strengthening of Full-Scale RC T-Beams with CFRP Sheets  
Abdedldjell Belarbi, Michael Murphy, Sang-Wook Bae

S1A03  Shear Strengthening of RC Beams Using Hybridized FRP Composite  
Sang-Su Ha, Dong-Uk Choi, Thomas H.-K. Kang, Chin Yong Lee

S1A04  Short Term Creep Tests of Low Strength Rectangular Concrete Members Jacketed with Carbon FRP Sheets  
Cem Demir, Aygul Aydogmus, Alper Ilki

Session S1B (9:00-10:40)  
Chair: Prof. S.H. Rizkalla (North Carolina State University, USA) and Dr. T. Kanakubo (University of Tsukuba, Japan)  
Room: Room B (Small Lecture Room)
S1B01 Bond and Force Transfer of FRP Materials Bonded to Concrete Using Sitecure System
Rebecca J. Gravina, S. Ali Hadigheh, Sujeeva Setunge

S1B02 Bonding of Varying-Thickness FRP Laminates to RC Beams
P. Fakhrimoghadam, A.Vafai

S1B03 Bond Properties between Continuous Fiber Rope and Concrete
Kenzo Sekijima, Kyouhei Kawakami, Junichi Izumo

S1B04 Bond Strength of Carbon and Aramid Fiber Reinforced Polymer Rebars in Normal Strength Concrete
So Jeong Han, Dae-Jin Kim, Young Hak Lee, Heecheul Kim

S1B05 Investigation of the Bond Behavior for the Embedded Through-Section FRP Rod Shear-Strengthening Method
Ahmed Godat, Amar L'hady, Omar Chaallal, Kenneth W. Neale

Coffee Break (10:40-11:00)

Session S2A (11:00-12:20)  Room A
Title: Hybrid structures and all FRP structures / Strengthening of concrete, metallic, timber and masonry structures / Durability and long-term performance
Chair: Dr. T. Matsumoto (Hokkaido University, Japan) and Prof. A. Belarbi (University of Houston, USA)
Room: Room A (Large Lecture Room)

S2A01 Analysis and Design of Perforated SIFCON Blocks for Compression Yielding Structural Systems
Yufei Wu, Jiafei Jiang, Kang Liu

S2A02 Improvement of Debonding Bending Moment of Pre-Tensioned CFRP Plates Bonded onto Steel Members
Masaru Shimizu, Toshiyuki Ishikawa, Atsushi Hattori, Hirotaka Kawano

S2A03 Mechanical Behaviour of A New Type of Fibre Composite Railway Sleeper
Allan C. Manalo, Thiru Aravinthan

S2A04 Gravimetric Experimental Study on Moisture Diffusion Characteristic of Pultruded FRP Composite and Adhesive Materials
Xu Jiang, Henk Kolstein, Frans S.K. Bijlaard

Session S2B (11:00-12:20)  Room B
Title: Bond behavior and debonding failures
Chair: Dr. A. Kamiharako (Hirosaki University, Japan) and Dr. D. Zhang (Hokkaido University, Japan)
Room: Room B (Small Lecture Room)

S2B01 Practical-Orientated Full-Scale Tests in Comparison with Bond Checks of Different Guidelines
Wolfgang Finckh, Konrad Zilch

S2B02 Double Shear Tests for Characterisation of Bond between FRP EBR and Concrete
Andreea Serbescu, Maurizio Guadagnini, Kypros Pilakoutas

S2B03 Interface Bond Strength of Helical Wrapped GFRP Ground Anchors
Weichen Xue, Yuan Tan

S2B04 A Study on Flexural Bonding Strength for Embedded Length of FRP Rods
J. Sim, T. Kang, J. Park, H. Kim, H. Lee

Closing Ceremony (12:20-12:40)  Room A

Lunch (12:40-14:00)
Committee Members

International Scientific Committee
R. Al-Mahaidi, Australia
T. Aravinthan, Australia
M. Griffith, Australia
X.L. Zhao, Australia
L. Taerwe, Belgium
K.W. Neale, Canada
A.A. Mufti, Canada
N. Banthia, Canada
R. El-Hacha, Canada
A. Fam, Canada
P. Labossière, Canada
J.G. Teng, China
P. Feng, China
S.T. Smith, China
Y.F. Wu, China
H.M. Seliem, Egypt
E. Ferrier, France
T.C. Triantafillou, Greece
M. Motavalli, Iran
A. Katz, Israel
G. Monti, Italy
L. De Lorenzis, Italy
A. Machida, Japan

T. Uomoto, Japan
H. Mutsuyoshi, Japan
H. Nakamura, Japan
J. Sim, Korea
R. Kotynia, Poland
J. Barros, Portugal
K.H. Tan, Singapore
M.D.G. Pulido, Spain
T. Keller, Switzerland
A. Ilki, Turkey
L.A. Bisby, UK
J.F. Chen, UK
M. Guadagnini, UK
T.J. Stratford, UK
S.H. Rizkalla, USA
A. Nanni, USA
C.E. Bakis, USA
I.E. Harik, USA
K.A. Harries, USA
V.M. Karbhari, USA
F. Matta, USA
R. Seracino, USA

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T. Ueda, Hokkaido University

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M. Iso, University of Fukui
A. Kamiharako, Hirosaki University
Y. Kurihashi, Muroran Institute of Technology
A. Kobayashi, Nippon Steel Materials Co., Ltd.
T. Matsumoto, Hokkaido University
K. Nakano, Chiba Institute of Technology
H. Nishi, Civil Eng. Research Institute for Cold Region
I. Nishizaki, Public Works Research Institute
Y. Takahashi, Hokkai-Gakuen University
F. Taguchi, Civil Eng. Research Institute for Cold Region
Z. Wu, Ibaraki University
K. Yamaguchi, Kyushu University
S. Yamada, Toyohashi University of Technology
K. Yonemaru, Shimizu Corporation
Sponsorship

The Third Asia-Pacific Conference on FRP in Structures (APFIS2012) is the official regional conference of the International Institute for FRP in Construction (IIFC) for the Asia-Pacific region.

APFIS2012 is organized by
- Japan Concrete Institute (JCI), in collaboration of
  - Hokkaido University
  - Japan Society of Civil Engineers (JSCE)
  - Japan Society for Composite Materials (JSCM)

APFIS2012 is supported by
- The Japan Reinforced Plastic Society (JRPS)
- Architectural Institute of Japan (AIJ)
- Carbon Fiber Repair & Reinforcement Research Association (CFRRA)

APFIS2012 is sponsored by
- Association for Advanced Composite Technology in Construction Field (ACC)
Preface

Asia-Pacific Conference on FRP in Structures (APFIS) is one of the official international conference series of International Institute for FRP in Construction (IIFC). The 1st APFIS was held in December 2007 in Hong Kong and the second one in December 2009 in Seoul. This 3rd APFIS, held in February 2012 at Hokkaido University, Sapporo is organized by the Japan Concrete Institute (JCI). While APFIS conferences are held in winter time, the other IIFC official conference, International Conference on FRP Composites in Civil Engineering (CICE), 5 conferences so far, have been held in summer time of the north hemisphere. We scheduled this conference to coincide with the Sapporo Snow Festival hoping that you will enjoy this magnificent event and your stay in this winter wonderland.

The proceedings of APFIS2012 include 6 keynote and 66 general papers. The first authors of 42 papers are from Asia, while 12 papers each are from Oceania and North America and 6 papers from Europe with the biggest contribution, 22 papers from the host country, Japan. Presentations are made either in the technical session or in the poster session. Some of the poster presentations do not have full papers in the proceedings. Topics of the papers cover issues ranging from strengths (material, anchorage and member), bond, confinement to durability. Structural types dealt with in the papers are not only concrete but also steel and FRP. Hybrid structure and material using FRP are also the major interests in the papers.

As chairman of the Organizing Committee, I would like to express my sincere gratitude to all the authors of papers for sharing the latest achievements on structural FRP in both research and practical fields, especially to the six keynote lecturers, Dr Thiru Aravinthan, Prof Goichi Ben, Dr Peng Feng, Prof Kyuichi Maruyama, Prof Jongsung Sim and Prof Jin-Guang Teng. The paper by Prof Maruyama focuses on the damage in structures by the Great East Japan Earthquake on 11th March 2011, which was not planned originally. I am grateful to the reviewing team which consists of International Scientific Committee and Organizing Committee members for their valuable efforts to guarantee the quality of the papers.

Last but not least it should be mentioned that the proceedings of APFIS2012, which is the primary outcome of the conference, could not have come out without the guidance of IIFC Executive Committee, the professional and financial support of JCI and the team works of JCI Organizing Committee. My special thanks go to Dr Toshiyuki Kanakubo, Dr Takumi Shimomura, Dr Yasuhiko Sato and Ms Naoko Masaki.

Chairman, Organizing Committee of APFIS2012
Tamon Ueda