



# F.E.B.S. 2011

## 1<sup>st</sup> International Conference of the Financial Engineering & Banking Society

June 10-11, 2011

Chania, Greece



<http://www.dpem.tuc.gr/fel/FEBS2011>

# WELCOME

Dear Colleagues and Friends,

On behalf of the Organizing Committee I welcome you to the 1<sup>st</sup> International Conference of the Financial Engineering and Banking Society (FEBS).

FEBS is a newly established society aiming towards the promotion of decision making approaches in the fields of financial engineering and banking. FEBS was founded in 2010 in Greece and had its first national meeting in Athens in early December 2010. However, FEBS has a global orientation and welcomes the participation of international researchers and practitioners interested in finance and banking. This international conference is the first initiative towards establishing FEBS as a leading international research society.

We are proud to host this important event in the beautiful island of Crete and the town of Chania. I believe that this conference will provide a unique opportunity for interchanging new ideas, having fruitful discussions on our common fields of interest, meeting old friends and making new colleagues.

Together with the Organizing Committee we have worked hard to ensure the success of this conference, and I think that we achieved our goal. Overall, 43 presentations are included in the final scientific program. These are organized in ten sessions. The presentations cover all the recent trends and advances in financial engineering and banking. I am sure that all participants will enjoy the rich scientific part of the conference and will find useful new ideas for their current and future research.

I also hope that you will find some time to discover the beauties and the rich history of Chania, experience the traditional Greek hospitality and make this conference a memorable event.

Prof. Constantin Zopounidis  
*Chairman*

# COMMITTEES

## CONFERENCE CHAIR

Constantin Zopounidis

## SCIENTIFIC COMMITTEE

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Andriosopoulos, K., Cass Business School, UK  
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Ioannidis, Ch., University of Bath, UK  
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Kosmidou, K., Aristotle University of Thessaloniki, Greece  
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Leledakis, G., Athens University of Economics and Business, Greece  
Lozano Vivas, A., University of Málaga, Spain  
Markellos, R., Athens University of Economics and Business, Greece  
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Papadopoulos, S., Democritus university of Thrace, Greece  
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Pasiouras, F., Technical University of Crete, Greece  
Resti, A., Bocconi University, Italy  
Siriopoulos, K., University of Patras, Greece  
Spathis, C., Aristotle University of Thessaloniki, Greece  
Staikouras, S., Cass Business School, UK  
Tanna, S., Coventry University, UK  
Tsolas, I., National Technical University of Athens, Greece  
Zapranis, A., University of Macedonia, Greece

## **ORGANIZING COMMITTEE**

Alexakis, D., Technical University of Crete, Greece  
Kaladonis, P., Technological Educational Institute of Piraeus, Greece  
Liadaki, A., Technical University of Crete, Greece  
Balla, V., Technical University of Crete, Greece  
Niklis, D., Technical University of Crete, Greece  
Papadopoulos, I., Attica Ventures & Technical University of Crete, Greece

## **CONFERENCE SECRETARIAT**

Chrysovalantis Gaganis  
Phone.: +30 28210 37360, Fax: +30 28210 69410  
Email: febs@isc.tuc.gr

## PUBLICATIONS

On the occasion of the Conference, special issues have been arranged for the **Annals of Operations Research** and **Computational Economics**, which will consist of papers selected from the Conference. All papers submitted for consideration in these special issues will be double-blinded reviewed.

Details about the submission process will be available at the website of the conference.

# **Scientific Program**

# PROGRAM OUTLINE

## June 10th, 2011

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- 09:30–10:45** Registration
- 10:45–11:00** Opening session
- 11:00–12:45** Session 1: Financial markets  
Session 2: Default and credit risk
- 12:45–14:00** Lunch break
- 14:00–15:45** Session 3: Portfolio management  
Session 4: Non-financial markets & risk management
- 21:00** Banquet

## June 11th, 2011

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- 09:00–11:00** Session 5: Corporate governance  
Session 6: Bank performance evaluation
- 11:00–11:15** Coffee break
- 11:15–13:00** Session 7: Intelligent techniques for financial decisions  
Session 8: Organizational issues & corporate performance
- 13:00–14:00** Lunch break
- 14:00–15:00** Plenary session
- 15:15–17:00** Session 9: Performance of firms and organizations  
Session 10: Financial crises & banking stability
- 17:00** Closing session

## June 12th, 2011

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- 09:00** Excursion (*The excursion will be held only if an adequate number participants takes part*)

# DETAILED CONFERENCE PROGRAM

Friday, June 10<sup>th</sup>

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## 10:45 – 11:00 OPENING SESSION

### 11:00 – 12:45 SESSION 1: FINANCIAL MARKETS

*Chair: A.E. Tsekrekos*

What makes the shape of an implied volatility surface predictable: Liquidity constraints or speculation? Evidence from the Euro OTC FX market

*G. Chalamandaris, A.E. Tsekrekos*

Volatility measures and volatility indexes: Evidence from the Italian market

*S. Muzzioli*

Is systemic priced in equity return?

*P. Leelarasamee*

Measuring the effect of information flow to Euribor: An empirical analysis

*D.Th. Philippas, C. Siriopoulos*

### SESSION 2: DEFAULT AND CREDIT RISK

*Chair: C. Gaganis*

Influence of macroeconomic environment on the probability of default: Case Latvia

*I. Genriha*

Short-run and long-run effects of the global risk and country-specific factors on the sovereign CDS spreads

*T. Seddha-udom*

Flights-to-quality as ignition points of financial crises

*M. Gubareva*

A comparison of alternative methodologies for credit risk evaluation

*D. Niklis, M. Doumpos, C. Gaganis*

## 12:45 – 14:00 LUNCH BREAK

### 14:00 – 15:45 SESSION 3: PORTFOLIO MANAGEMENT

*Chair: G.N. Leledakis*

Mutual funds performance appraisal using a multicriteria decision making approach

*V. Babalos, N. Philippas, M. Doumpos, C. Zopounidis*

Fast gradient descent method for mean-CVaR optimization

*G. Iyengar, A. Ma*



Financial trading rules using moving average indicators: A practical case on the Athens Stock Exchange

*M. Godefroid*

The stock market reaction of winning bidders in FDIC assisted acquisitions

*K. Drakos, A. Episcopos, G.N. Leledakis*

Market performance consistency: The time's arrow matters

*A. Ruttiens*

#### **SESSION 4: NON-FINANCIAL MARKETS & RISK MANAGEMENT**

**Chair:** *M. Doumpos*

The Baltic dry index as a predictor of global stock returns, commodity returns, and global economic activity

*G. Bakshi, G. Panayotov, G. Skoulakis*

Risk management in the energy markets and value-at-risk modelling: A hybrid approach

*K. Andriosopoulos, N. Nomikos*

Wind derivatives: Modeling and pricing

*A. Alexandridis, A. Zapranis*

Performance of GPU for a tree model for convertible bonds pricing with equity, interest rate, and default risk

*Y-D. Lyuu, K-W. Wen, Y-C. Wu*

**21:00**

**BANQUET**

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## **Saturday, June 11<sup>th</sup>**

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#### **09:00 – 11:00 SESSION 5: CORPORATE GOVERNANCE**

**Chair:** *F. Pasiouras*

Corporate governance and the likelihood of securities class actions: Evidence from U.S. banking institutions

*V. Balla, F. Pasiouras*

Investigating the effects of the implementation of IFRS on financial report quality: Evidence from the Greek banking sector

*A.E. Garefalakis, P. Zisis, A. Dimitras*

Internal audit & enterprise risk

*P. Alektoridis, C. Zopounidis, P. Kalantonis*

Regulations in Italy: A new methodological approach for measuring administrative burdens

*A. Pavone, P. Pianura*

Estimating the cost and profit efficiency of EU banks: Differences between GAAP and IFRS

*A. Dimitras, C. Gaganis, F. Pasiouras*

## **SESSION 6: BANK PERFORMANCE EVALUATION**

**Chair:** *S. Tanna*

Financial and banking crisis causes and consequences  
*C.K. Balomenou, J. Magridis*

The effects of market power in Asian banking  
*S. Papadopoulos*

Determinants of profitability in the south European banking industry: The case of Greece evidence from the period 2005 to 2009  
*C.M. Lemonakis, N. Petrakis, C. Zopounidis*

Measuring workflow knowledge-base effectiveness for an in-house banking customer service call center  
*A. Karakerezis, K. Nakos*

Cost and profit efficiency in post-2000 bank mergers in Europe  
*H.N. Urio, S. Tanna*

### **11:00 – 11:15 COFFEE BREAK**

## **11:15 – 13:00 SESSION 7: INTELLIGENT TECHNIQUES FOR FINANCIAL DECISIONS**

**Chair:** *G. Goletsis*

Forecasting and trading the EUR/USD exchange rate with gene expression and psi sigma neural networks  
*G. Sermpinis, A. Karathanasopoulos, C.L. Dunis, J. Laws*

Euribor rate forecasting by ANFIS  
*G.S. Atsalakis, K.I. Tsakalaki, C. Zopounidis*

Intelligent decision making for assessing credit card approval  
*A. Gianniodi, V. Vassiliadis, G. Dounias*

Credit risk prediction through nature inspired algorithms  
*Y. Goletsis, C.D. Katsis, T.P. Exarchos, E. Koumanakos*

## **SESSION 8: ORGANIZATIONAL ISSUES & CORPORATE PERFORMANCE**

**Chair:** *E. Grigoroudis*

Effective organization and operation of a modern internal audit department in Greek hotel units  
*C. Lemonakis, E. Sifakis, C. Zopounidis*

Evaluation of the innovative effort of Greek firms, using financial and non-financial data  
*P. Kalantonis, C. Gaganis, C. Zopounidis*

Linking customer satisfaction, employee appraisal, and business performance: An evaluation methodology in the banking sector  
*E. Tsitsiridi, E. Grigoroudis, C. Zopounidis*

SMEs competitiveness and innovation: The case of Greek manufacturing  
*F. Voulgaris, C. Lemonakis, O. Papadaki*

**13:00 – 14:00 LUNCH BREAK**

**14:00 – 15:00 PLENARY SESSION: 2011 FEBS DISTINGUISHED SCHOLAR AWARD**

Network of exchanges and stock liquidity: A global perspective  
*Iftekhhar Hasan*

**15:15 – 17:00 SESSION 9: PERFORMANCE OF FIRMS AND ORGANIZATIONS**

**Chair:** *A. Dimitras*

Corporate social responsibility and its relationship with financial performance: Evidence from Greek firms  
*Y. Goletsis*

Performance analysis of European shipping companies: A multi-criteria approach  
*C. Manoledakis, G. Baourakis, D. Niklis*

Using DEA to evaluate total economic efficiency of hospitals in Greek national health system  
*G. Fragkiadakis, M. Doumpos, C. Zopounidis*

A balanced scorecard for small family firms in Greece  
*I.N. Manginas*

**SESSION 10: FINANCIAL CRISES & BANKING STABILITY**

**Chair:** *K. Kosmidou*

The implementation of Basel III and its impact on the European banking system  
*C. Lemonakis, T. Maounis, C. Zopounidis*

Revisiting local financial institutions: A social network analysis of cooperative banking with bonding and ethics, in the resilient to crisis economic landscape of Crete  
*T.A. Katerinakis*

Is there a trade-off between price stability and financial stability? Evaluation of 2007 crisis in terms of monetary policy objectives  
*K. Gokmenoglu*

A comparative analysis between EU and US stress testing exercises  
*K. Moutsianas, K. Kosmidou*

**17:00 CLOSING SESSION**

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**Sunday, June 12<sup>th</sup>**

**09:00 EXCURSION** (*The excursion will be held only if an adequate number participants takes part*)

## SPONSORS



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