The minor deviations from the scheduled program are possible!
PROGRAMME

Tuesday, 01 May 2007 - p.m.

1700 - 2200  Registration of participants
1200 - 2200  Arranging of exhibition area
2010 - 2230  Welcome party hosted by: CROATIAN GAS ASSOCIATION
             Grand Hotel Adriatic
             All participants of the Meeting are invited

Wednesday, 02 May 2007 - a.m.

0700 - 0900  Registration of participants

Coordinators:  Prof.D.Sc.  Miljenko Šunic-CGA
               Andela Saraden

0900 - 1000  Opening Ceremony

Welcome Add.: Organizer
Welcome Add.: Guests
Welcome Add.: Plinacro d.o.o.
Welcome Add.: Representative of the producers of gas equipment
Welcome Add.: Viessmann d.o.o. Croatia
Welcome Add.: Vaillant GmbH, Germany
Musical performance: Prof. Kristina Bjelopavlovic
Energetics and media-Goran Milic-Croatian Radiotelevision

Session 1  GAS SUPPLY

DIVERSIFICATION - Condition for secure supply

Coordinators:  Prof.D.Sc  Miljenko Šunic-CGA
               Andela Saraden

1000 - 1115  Grand Congress Hall

• European natural gas market: energy hubs - factors of spot market and elements of regional and integrated gas markets
  DSc. Eraldo Banovac, Darko Pavlovic, Nikola Vištica, Hrvoje Brlecic,
  Croatian Energy Regulatory Agency, CERA-Croatia
• Adria LNG-The LNG Terminal in the Adriatic sea for supply security
  Christoph Lewisch, Alfred Redlich,
  MD of Adria LNG Comp., OMV Gas International GmbH, Austria
• LNG Program, Key Factor for Development of New Technologies
  George Juraj Puhalovich, PE, dipl.ing.,
  Intercontinental Technology & Commerce, Inc.(ITC), USA

1115 - 1145  Refreshment Break

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Session 2. INVITED LECTURES
Coordinators: Prof.DSc. Miljenko Šunic, CGA
Andela Saraden

11.00-12.00 Contribution to the more efficacious application of concession model in the gasification of Croatia, 10 years after
DSc. Bakir Krajina - Montmontaža d.d., Zagreb,
Željko Darmopil, -Montcogim-Plinara d.o.o. Sv. Nedjelja, Croatia

12.00-12.20 Development of Residential PEFC Co-generation System
Kenji Maeda, Tokyo Gas Co., Ltd, Japan

12.20-13.10 ROUND TABLE DIOKI d.d.
LNG Terminal at DINA Site – A Chance for Further Development of Croatian Petrochemistry and for Economic Growth of and Energy Supply to Krk and Croatia

13.10-13.45 PRESS CONFERENCE (Grand Congress Hall)

13.10-16.00 LUNCH BREAK

16.00-16.45 Poster Session Opening
Camelia Hall 2

1. DSc. Helena Božić, EI “Hrvoje Požar” Zagreb, Croatia
Natural gas subsystem model as part of the integrated Croatian energy system model

2. Marko Križanec, Energo d.o.o., Croatia
SCADA system with Gas optimization in Energo d.o.o.

3. Suat Bumin, Bahar Ozyoruk
Energy Market Regulatory Authority-Turkey
Overview Liquefied Petroleum Gases Markets in Turkey

4. Eduard Vivoda, ELTEH “d.o.o. Rijeka, Croatia
Organization issues for distribution systems of natural gas at Opatia's Riviera

5. Robert Jagodic, GISDATA d.o.o. Zagreb
GIS technology enabling build up and operation of gas pipeline systems

6. Berislav Pavlovic, Hrvoje Kozmar, GPZ – Zagreb, FSB Zagreb
Improvements on facilities for calibrating working standards for gas flow in Zagreb Gasworks

7. PhD. Veyssel Türkd, Kemal Ocal, Numan Aksoy; Kuddusi Atalay-IGDAS TURKEY
Offshore pipeline applications and engineering approach for supply to Princess Islands in Istanbul

8. Milan Puhar, I. M. D. Engineering
LNG terminal - South Pars Field

9. Mislav Sentic, INA d.d.
Gas absorption chillers technology

10. Biljana Curdic, J P Srbijagas
Harmonization of the national with the European and international regulatory rules in the field of natural gas
11. **Zlatko Belinic, Mario Fusari, Branko Lukacovic, STSI d.o.o., Ghizzoni, Ltd., IT Italija, TPK Zavod, Zagreb**  
   Gas pipeline Pula - Karlovac crossing over Ucka

12. **Ph.D.Svetlana Kamaeva, V. Goroshesvskiy, Igor Kolesnikov, Transkor-K**  
   Magnetic tomography is a new method of non-contact inspection of base metal and weld joints of pipelines

13. **Duro Tunjic, Milan Kljajin, Luka Carapovic**  
   Implementation of ISO 9001 requirements at design and manufacture of gas installations

14. **Branislava Zubic, PSEMR Vojvodina**  
   Natural gas in The Autonomous Province of Vojvodina

16:00-17:00 **Refreshment Break**

**Session 3: GAS UTILIZATION**

**Coordinators:** MSc. Davor Matic, OMV Gas Adria Ltd, Zagreb  
Zoran Dojinovic, PROplin d.o.o, Zagreb

17:00-18:00 **Grand Congress Hall**

- Heat units process redesign, technical solutions and results analyses  
  MSc. Dalibor Pudic, Dalibor Bukvic, Brod plin d.o.o, Slavonski Brod, Croatia
- New cogeneration plant CGS MoVle 2 – TEA 4 NE  
  MSc. Mario Peric, Ivan Vulic, Kristina Glavaš, Koncar Inženjering, prof.dr. sc.  
  Drago Ban, FER Zagreb, Mijo Sobota, Marko Lujic, Ivica Mader, INA d.d., SD Naftaplin, Zagreb, Croatia
- Work analysis of microcogeneration facility at Termoplín d.d. Varaždin  
  Tomislav Bencic, Damir Pavšič, Davor Horvat-Termoplín d.d.  
  Varaždin, Croatia
- Usage infrared gas heaters in an industrial Process  
  MSc. Luka Carapovic, Energo Projekt d.o.o, Slavonski Brod, Croatia

18:00-18:45 **Grand Congress Hall**

- Dynamics development of auto-gas in Republic of Croatia in relation to European states  
  Zoran Dojinovic, PROplin d.o.o, Zagreb
- IGU-NGV Group report: results, findings an future activities  
  MSc.Davor Matic, OMV Gas Adria Ltd. Zagreb
- Natural Gas For Vehicles  
  George Juraj Puhalovich, PE, dipl.ing., Intercontinental Technology & Commerce, Inc.(ITC) USA

18:45-19:15 **DISCUSSION -Session 3**

20:30-22:30 **Party hosted by:** VIESSMANN d.o.o. Croatia  
   Hotel ADMIRAL, Opatija  
   All participants of the Meeting are invited

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Thursday, 03 May 2007 - a.m.

Session 4: PROJECT SOLUTIONS IN GAS INDUSTRY
9:00-10:00 Grand Congress Hall

Coordinators: Vladimir Đurovic, Plinacro d.o.o., Zagreb
Zvonko Mrčela, INAgip d.o.o Zagreb

- Annamaria gas field development
  Zvonko Mrčela, Želimir Šikonja, INAgip d.o.o Zagreb
- Blding of new gaspipes in Croatia
  Vladimir Đurovic, Plinacro d.o.o., Zagreb
- Line-break stations functioning as safety control of the gas transmission system
  Branko Radošević, Zoran Bulić, Vlad Hlavaty, Plinacro d.o.o. Zagreb
- Gas implementation projects based on ESCO model
  Robert Goricki, Hrvoje Hucika, Davor Josipović- HEP-ESCO d.o.o
- An Heuristic Approach for optimal location of Gas Supply Units in Transportation System
  Teresa Nogueira, Zita Vale, GECAD Porto, Portugal,
  Rui Mendes, EGP, Porto, Portugal
  José C. Cardoso, CETAV, Vila Real, Portugal

10:20-10:50 Refreshment Break

10:50-11:30 Three dimensional geodetic study of alternative technical solutions of the future main gas pipeline
route BOSILJ-EVO-SPLIT DN 500/75 in the Krka-canyon area
Ivana Marjanovic, Plinacro d.o.o. Zagreb

11:30-11:45 DISCUSSION - Sessions 4

11:30-12:15 ROUND TABLE
iMETER B.V. Nizozemska,
Procesna oprema d.o.o. Zagreb
Innovative Turbine Meter Technology within the Framework of MID, PED, EN Directives and OIML

12:20-13:00 POSTER SESSION,
Camelia Hall 2-continuing

13:00-14:00 PRESS CONFERENCE (Camelia Hall 1)

13:00-16:00 LUNCH BREAK

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PROJECT SOLUTIONS IN GAS INDUSTRY

ROUND TABLE  STSI d.o.o. Zagreb
NEW TECHNOLOGIES- Infrared camera (GAS FIND IR) for gas leak detection

16:00-16:45 Engineering of a local supervision and control system on an industrial level
Boris Brešovec, MSc. Zdravko Oklopcic-Koncar inženjering,
Tvrtko Begovic, Plinacro d.o.o. Zagreb
Usage of GIS system in maintenance and reconstruction of gas networks
Damir Pavišić, Ivica Barbir, Davor Horvat, Dragan Podvezanec-
Termoplín d.d. Varaždin, Croatia

17:15-17:45 Refreshment Break

17:45-18:00 Construction of the main gas pipeline Lucko - Ivanja Reka
DN 700/75 and connection on new constructed gas pipeline system
Goran Roncevic, Daniel Mikulek, Plinacro d.o.o. Zagreb

18:00-18:30 DISCUSSION - Sessions 4

18:30-19:15 ROUND TABLE  PA-EL d.o.o.
Cathodic protection of the factory insulated pipelines

20:00-22:00 Party hosted by: PLINACRO d.o.o. Zagreb
Hotel MILENIJ, Opatija
All participants of the Meeting are invited

Friday, 04 May 2007-a.m.

Session 5. GAS MEASUREMENT ISSUES

9:00-9:45 ROUND TABLE  Medimurje IPC d.d.
Remote readout of water and gas meters with alarm function and project management;
Pilot project results

9:45-10:00 Gas measurement on gas field PALMYRA, Syria
MSc. Zdravko Oklopcic, Goran Mušić-Koncar-KET, Zagreb

10:00-10:15 Calibration facilities in laboratory for gas flow measurement in Zagreb Gas-works
Berislav Pavlović, - Gradska plinara Zagreb,
Hrvoje Kozmar - FSB Zagreb

10:15-10:35 Data acquisition of natural gas consumption using GRPS communication
Peter Kobal-Genera Lynx d.o.o., Ljubljana,
MSc. Jurij Fašalek-Geoplin plinovodi d.o.o. Ljubljana

10:35-11:00 Refreshment Break

Session 6. LEGAL AND TECHNICAL REGULATIONS

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**PRELIMINARNI PROGRAM -22. susreti - Opatija 2207**

*Coordinators: Prof. DSc. Miljenko Šunic, CGA\nAndela Saraden*

11:05-11:20 New Natural Gas Market Act
Boris Makšijan, MINGORP

11:20-11:35 **Technical Rules for Gas based on DVGW Regulations**
MSC. Semin Petrovic, Hajdina Škufca - IGT, Sarajevo, BiH
Živojin Knežević, J P Srbijagas, Beograd, Srbija

11:35-11:50 Certification of conformity of gas appliances with essential requirements of Regulations on gas appliances
Zorislav Lukic, Koncar-kucanski aparati d.o.o. Zagreb

11:50-12:05 Normisation in area of gas equipment: measuring and maintaining
Tomislav Grizelj-Grizelj d.d., Sarajevo, BiH

12:05-12:20 Principle and methodology to determine connection charges to gas transport and distribution network
DSc. Mico Klepo - Croatian Energy Regulatory Agency, CERA - Croatia

12:20-12:35 **Draft of the Procedure for Emergency Action Plans in Environmental Protection in Natural Gas Transportation Systems for PLINACRO d.o.o. with Special Emphasis on the Protection and Rescue Act (NN 174/04)**
D. S. Krnjak, Ž. Radalj, I. Aurer-Jezercic - ZIRS - Zavod za istraživanje i razvoj sigurnosti, Zagreb,
D. Crnjak - Plinacro d.o.o. Zagreb

12:35-12:50 HSUP-P----------**Technical rules for gas pressure regulation up to 5 bar for residential and commercial use**
Fikret Nasic, Gradska plinara Zagreb, Srecko Ezgeta, Elektrometal d.d. Bjelovar

12:50-13:10 **DISCUSSION - Sessions 5-6**

13:10-13:20 Declaring a winner of the competition for the best Gas Equipment Exhibitor

13:20-13:30 CGA President’s Closing Speech

13:40-14:00 **PRESS CONFERENCE** (Camellia 1 Hall)

**REMARKS:**

- All the papers (poster and oral session) are printed in the Proceedings of the Meeting
- The presentations in Grand Congress Hall are translated from Croatian into English and vice versa
- All the authors are kindly asked to test equipment 30 minutes before beginning of thematic block in which their paper is included

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