



Thursday, 3 December

8:05am **WR1 -**
Workshop 1: Sensitivity Analysis
Zoom Workshop Room 1
Chaired by: Dr. Orrin Cooper

9:05am **WRK2 -**
Workshop 2: How to conduct a negotiation using AHP
Zoom Workshop Room 2
Chaired by: Prof. Luis Vargas

10:05am **WRK3 -**
Workshop 3: How to improve your chance of getting your AHP/ANP paper published
Zoom Workshop Room 3
Chaired by: Dr. Enrique Mu

11:05am **WRK4 -**
Workshop 4: The how and whys of ANP row sensitivity
Zoom Workshop Room 4
Chaired by: Dr. William Adams

12:05pm **WRK5 -**
Workshop 5: Benefits-Opportunities-Costs and Risks calculations demystified
Zoom Workshop Room 5
Chaired by: Dr. Elena Rokou

1:05pm **WRK6 -**
Workshop 6: Meeting Facilitation
Zoom Workshop Room 6
Chaired by: Mr. Daniel Saaty

Friday, 4 December

8:05am **WELC -**
Welcome to ISAHP 2020
Zoom WELC
Chaired by: Dr. Enrique Mu and Rozann Saaty

9:05am **FR_T1_S1 -**
Track 1 - Session 1
Zoom FR_T1_S1
Chaired by: Prof. Luis Vargas

9:05am
Transforming AHP Group Decisions into Fuzzy Priorities – A New Methodology to Aggregate Individual Priorities
» [Prof. Oliver Meixner](#), Ms. Sonja Hackl, Prof. Rainer Haas



Continued from **Friday, 4 December**

9:22am **AN UPDATE ON COMBINATORIAL METHOD FOR AGGREGATION OF EXPERT JUDGMENTS IN AHP**

» [Dr. Sergii Kadenko](#), Dr. Vitaliy Tsyganok

9:39am **VECTOR COMPRESSION METHOD TO CONVERT THE INCOMPLETE MATRIX OF PAIRWISE COMPARISONS IN THE ANALYTIC HIERARCHY PROCESS**

» Dr. Alexander Bochkov, [Mrs. Alexandra Ridley](#), Mrs. Nataliya Kuzmina, Dr. Nikolay Zhigirev

9:05am **FR_T6_S1 - Track 6 - Session 1**

Zoom [FR_T6_S1](#)

Chaired by: Dr. Monica Garcia Melon

9:05am **Businesses as social partners in gender policies: Assessment of the actors' expectations to contribute to gender equality**

» Dr. Paula Otero-Hermida, [Dr. Hannia Gonzalez-Urango](#)

9:22am **A TOOL FOR MONITORING THE UNDER REPRESENTATION OF WOMEN IN CONFERENCES AND EVENTS**

» [Mrs. Carmen Corona-Sobrinho](#), Dr. Monica Garcia Melon, Dr. Rocío Poveda-Bautista, Dr. Hannia Gonzalez-Urango

9:39am **ANPSort II Method: an Experimentation to Assess the Resilience of a Socio-Ecological System**

» [Dr. Vanessa Assumma](#), Prof. Marta Bottero, Prof. Alessio Ishizaka

10:05am **KEY1 - Leadership in complex and chaotic situations**

Zoom [KEY1](#)

Chaired by: Dr. Blaženka Divjak

11:05am **FR_T2_S1 - Track 2 - Session 1**

Zoom [FR_T2_S1](#)

Chaired by: Ilker Topcu

11:05am **A MULTI-ATTRIBUTE DECISION MAKING MODEL FOR HOSPITAL LOCATION SELECTION**

» [Ms. Gül İmamoğlu](#), Dr. Ilker Topcu

11:22am **UNCERTAINTY AND COMPATIBILITY IN AHP MODELING: CONSENSUS BUILDING IN PROJECT PORTFOLIO FORMULATION FOR MULTILATERAL ORGANIZATIONS**

» Dr. Ileana Grave, Ms. Paola Gómez-Priego, [Dr. Luis Antonio Bojórquez-Tapia](#)

11:39am **Neutrosophic Analytic Hierarchy Process for Evaluating a New Servicing Business Model of Transportation**

» [Dr. Saliha Karadayi-Usta](#)

11:05am **FR_T3_S1 - Track 3 - Session 1**

Zoom [FR_T3_S1](#)

Chaired by: Prof. Rafikul Islam

11:05am **LAYOUT ASSESSMENT WITH STRUCTURING AND MATHEMATICAL MODELING BY THE AHP METHOD**

» Mr. Lucas Ramon dos Hermogenes, [Mr. Miguel Moreira](#), Ms. Lorena Berzins, Dr. Marcos dos Santos

11:20am **Applying AHP technique to choose Product Type in Paper factories**

» [Mr. Mohammad Solemani Diarjan](#), Prof. Majid Azizi

11:35am **ENHANCING FINANCIAL AND STRATEGIC PERFORMANCE OF AN OIL AND GAS COMPANY**

» [Prof. Rafikul Islam](#), Dr. Deven Sharma KRISHNAN



Continued from **Friday, 4 December**

- 12:05pm **FR_T1_S2 - Track 1 - Session 2**
Zoom *FR_T1_S2*
Chaired by: José María Moreno-Jiménez
- 12:05pm **NOTES ON THE USE OF COMPATIBILITY INDEX IN THE ANALYTIC HIERARCHY PROCESS**
» [Prof. MinSuk YOON](#)
- 12:22pm **Reducing the number of expert pair-wise comparisons during decision support using AHP**
» Dr. Oleh Andriichuk, Dr. Vitaliy Tsyganok, [Dr. Sergii Kadenko](#)
- 12:39pm **Priority Vector Estimation: Consistency, Compatibility, Precision**
» [Dr. Stan Lipovetsky](#)
- 12:05pm **FR_T5_S1 - Track 5 - Session 1**
Zoom *FR_T5_S1*
Chaired by: Prof. Claudio Garuti
- 12:05pm **HOW TO ASSIST TO BETTER AND FASTER MEDICAL DIAGNOSES THROUGH MEDICAL SAPIENS WEB PLATFORM**
» [Prof. Claudio Garuti](#)
- 12:20pm **A Decision Support Tool for Hospital Project Sustainability Evaluation**
» Dr. Carlotta Patrone, Dr. Antonio G. Latora, [Prof. Roberto Revetria](#)
- 12:35pm **Prioritizing High-Risk Diseases and Non-Trauma-Mediated Diseases in a Triage on Medical Sapiens Platform**
» [Ms. Kazi Tasnim](#)

- 1:05pm **POS1 - Poster Session 1**
Zoom *POS1*
Chaired by: Dr. Enrique Mu

BIBLIOMETRIC STUDY ON AHP AND URBAN MOBILITY
» [Mr. David Ruiz](#), Dr. Fernando Marins, Dr. Valerio Salomon

ADJUSTED INTANGIBILITY-AWARE ASSESSMENT OF THE UTILISATION OF BIOGAS PLANT TECHNOLOGY APPLICATION POTENTIAL
» [Prof. Grzegorz Ginda](#), Dr. Marta Szyba

HOSPITAL AIRCRAFT IN THE FIGHT AGAINST THE CORONAVIRUS PANDEMIC: STRUCTURING AND MODELING A COMPLEX PROBLEM USING AHP AND VFT METHODS
» [Mr. Igor Pinheiro de Araújo Costa](#), Mr. Arthur Pinheiro de Araújo Costa, Mr. José Victor de Pina Corriça, Mr. SÉRGIO MITIHIRO DO NASCIMENTO MAËDA, Ms. Luiz Frederico Horácio de Souza de Barros Teixeira, Mr. Marcos Alexandre Pinto de Castro Junior, Dr. Carlos Francisco Simões Gomes, Dr. Marcos dos Santos

APPLICATIONS OF THE ANALYTIC HIERARCHY PROCESS METHOD IN FORECASTING: A REVIEW OF THE LITERATURE
» [Mrs. Lidiane Cristina Oliveira](#), Dr. Bruna Cristine Scarduelli Pacheco, Dr. Claudio Luis Piratelli

Identifying Factors that Influence Customers' Interest in Buying Refurbished Smartphones: An Indonesian Context
» [Dr. Siana Halim](#), Dr. Shu-San Gan, Mr. Jerry Marcello Oentoro

Saturday, 5 December

- 8:05am **SA_T2_S2 - Track 2 - Session 2**
Zoom *SA_T2_S2*
Chaired by: Cigdem Kadaifci



Continued from **Saturday, 5 December**

- 8:05am **Application Experience of the AHP for the Antarctic issues**
» [Mr. Oleksandr Kuzko](#), Mr. Mykola Leonov
- 8:22am **AN MCDM APPROACH FOR CROP PATTERN SELECTION**
» [Dr. Püren Veziroğlu](#), Dr. Ilker Topcu
- 8:39am **ANALYTIC HIERARCHY PROCESS FOR EVIDENCE-BASED POLICY MAKING**
» [Mr. Yoichi Iida](#)
- 8:05am **SA_T6_S2 - Track 6 - Session 2**
Zoom SA_T6_S2
Chaired by: Dr. Hannia Gonzalez-Urango
- 8:05am **SENSITIVITY ANALYSIS FOR THE ASSESSMENT OF ADAPTIVE CAPACITY TO CLIMATE CHANGE: A CASE OF STUDY FROM BRAZIL**
» Dr. Ileana Grave, [Dr. Luis Antonio Bojórquez-Tapia](#), Ms. Alejandra Estrada-Barón, Prof. Donald R Nelson, Prof. Hallie Eakin
- 8:20am **Assessing the barriers to the development of electric vehicles in the urban transport network of Valencia**
» [Ms. Paula Bastida-Molina](#), Mr. David Ribo-Perez, Dr. Tomás Gómez-Navarro, Dr. Elías Hurtado-Pérez
- 8:35am **PRIORITIZING THE EFFECT OF MEDIA'S INFLUENCE ON PEOPLE'S MENTAL HEALTH PERCEPTIONS**
» [Ms. Anastasia Marsh](#), Dr. Enrique Mu
- 9:05am **SA_T1_S3 - Track 1 - Session 3**
Zoom SA_T1_S3
Chaired by: Prof. Luis Vargas

- 9:05am **On the similarity among priority deriving methods for the AHP**
» [Dr. Pawel Kazibudzki](#)
- 9:22am **Proposals for the set of pairwise comparisons**
» [Mr. Zsombor Szádóczki](#), Dr. Sándor Bozóki, Mr. Hailemariam Abebe Tekile
- 9:39am **ANP Supermatrices: Lessons from Hierarchies**
» [Dr. Orrin Cooper](#), Dr. William Wedley
- 9:05am **SA_T7_S1 - Track 7 - Session 1**
Zoom SA_T7_S1
Chaired by: Prof. Xi Chen
- 9:05am **SELECTION OF APPROPRIATE PROJECT MANAGEMENT METHODOLOGIES FOR EMERGENCY PROJECTS USING ANALYTIC HIERARCHY PROCESS**
» [Dr. Chris Amponsah](#), Ms. Tamara Opokua Amponsah
- 9:22am **HOW YOUNG POPULATION MAKES PERSONAL FINANCE DECISIONS? EVIDENCE FROM NORTH MACEDONIA**
» [Ms. Tamara Kaftandzieva](#), Prof. Violeta Cvetkoska
- 9:39am **Prioritized Multi-Commodity Flow Model and Algorithm**
» [Mr. Durga Khanal](#), Prof. Urmila Pyakurel, Prof. Tanka Dhamala
- 10:05am **PLN1 - Plenary: Three developments of the Analytic Hierarchy Process: Calibrated Fuzzy AHP, AHPSort and GAHPO**
Zoom PLN1
Chaired by: Prof. Alessio Ishizaka
- 11:05am **SA_T2_S3 - Track 2 - Session 3**
Zoom SA_T2_S3
Chaired by: Cigdem Kadaifci



Continued from **Saturday, 5 December**

11:05am **Guidance for Higher Education to provide the necessary soft skills to meet the needs of Industrial era 4.0 using AHP and Fuzzy AHP**
 » [Dr. Jozef Raco](#), Prof. James Krejci, Prof. Johanis Ohoitumur, Mr. yulius raton, Dr. Jeanette Soputan, Dr. Stevanus Ngenget, Mr. Frankie Taroreh

11:22am **INCREASING EXPORT POTENTIAL OF CITRUS PRODUCTION: A CASE STUDY in CUKUROVA REGION**
 » [Dr. Püren Veziroğlu](#), Prof. Faruk Emeksiz

11:39am **PROJECT MANAGER SELECTION BY ANALYTIC HIERARCHY PROCESS**
 » Dr. serhat aydin, [Dr. mehmet yorukoglu](#)

11:05am **SA_T8_S1 - Track 8 - Session 1**
 Zoom SA_T8_S1
 Chaired by: Dr. Valerio Salomon

11:05am **Assessing Stakeholders' Conflicts in Urban Logistics Networks through Analytic Hierarchy Process**
 » Dr. Francesco Ciardiello, Prof. Andrea Genovese, [Dr. Shucheng Luo](#), Dr. Antonino Sgalambro

11:22am **MULTI-CRITERIA VALUE ASSESSMENT FOR BUSINESS-TO-BUSINESS**
 » [Mrs. Ana Beatriz Tocalinho](#), Mr. Antonio Netto, Dr. Valerio Salomon

11:39am **Strategic Supplier Selection: The Case of International Food Trading Company**
 » [Dr. Chuvej Chansa-ngavej](#), Ms. Natchanok Paramaporn

12:05pm **SA_T1_S4 - Track 1 - Session 4**
 Zoom SA_T1_S4
 Chaired by: José María Moreno-Jiménez

12:05pm **AHP and Two-Envelope Paradox Resolution via Nonlinear Scaling**
 » [Dr. Stan Lipovetsky](#)

12:22pm **Influence analysis in ANP models - Advantages and Pitfalls**
 » [Dr. Elena Rokou](#), Dr. William Adams

12:39pm **Building an evaluation "common ground" for research on AHP refinements**
 » [Mr. robin rivest](#)

12:05pm **SA_T11_S1 - Track 11 - Session 1**
 Zoom SA_T11_S1
 Chaired by: Dr. Orrin Cooper

12:05pm **Investigation of Catalyst Projects and Urban Design Qualities in Six Central Streets of Hamedan**
 » [Mr. sajjad zolfigol](#), Dr. mehran Alalhesabi, Dr. seyed majid mofidi shemirani

12:22pm **CLASSIFICATION RELIABILITY FOR GIS-MCDA: AHP AND SENSITIVITY ANALYSIS**
 » [Dr. Ileana Grave](#), Mr. Victor Hernández-Díaz, Mr. Fidel Serrano-Candela, Ms. Tatiana Merino, Dr. Yosune Miquelajauregui, Dr. Luis Antonio Bojórquez-Tapia

12:39pm **A MULTI CRITERIA ANALYSIS TO EVALUATE FUNCTIONING OF PHOTOVOLTAIC POWER PLANTS IN PAKISTAN**
 » [Mr. Muhammad Asad](#), Prof. Antonella Petrillo, Prof. Fabio De Felice

1:05pm **POS2 - Poster Session 2**
 Zoom POS2
 Chaired by: Prof. Antonella Petrillo

Total Decision software
 » [Mr. Daniel Villa](#), Prof. Claudio Garuti



Continued from **Saturday, 5 December**

AHP FOR EVERYBODY: INNOVATION THROUGH MOBILE APPLICATION FOR PERSONAL DECISIONS

» [Mr. Sovit Poudel](#), Mr. Shashi Bhattarai

SCHOOL AND ACADEMIC PERFORMANCE: SOME EVIDENCE FROM ITALY

» Dr. Antonella Ferraro, Prof. Paola Mancini, [Dr. Gabriella Marcarelli](#)

COMPARISON OF THE APPLICATION OF PRODUCTION MANAGEMENT TOOLS AND TOPSIS-AHP METHODS: BEARING MAINTENANCE PROCESS

» [Ms. José Oliveira](#)

Sunday, 6 December

8:05am **SU_T2_S4 - Track 2 - Session 4**

Zoom SU_T2_S4

Chaired by: Cigdem Kadaifci

8:05am **Applying the Analytic Hierarchy Process in Faculty Search**

» [Dr. Carlo Smith](#), Dr. Ozden Bayazit

8:20am **ANALYSIS OF THE TECHNICAL AND ECONOMIC FEASIBILITY OF USING ELECTRIC PROPULSION IN BRAZILIAN NAVY PASSENGER TRANSPORT VESSELS: AN APPROACH OF AHP METHOD**

» [Mr. SÉRGIO MITIHIRO DO NASCIMENTO MAÊDA](#), Mr. Igor Pinheiro de Araújo Costa, Ms. Luiz Frederico Horácio de Souza de Barros Teixeira, Dr. Carlos Francisco Simões Gomes, Dr. Marcos dos Santos, Mr. Marcos Alexandre Pinto de Castro Junior, Mr. Arthur Pinheiro de Araújo Costa, Mr. José Victor de Pina Corriça

8:35am **STRATEGIC PRIORITIES OF THE RELIGIOUS INSTITUTION USING COMBINATION OF SWOT AND FUZZY-AHP. CASE STUDY OF THE CONGREGATION OF MISSIONARIES OF THE SACRED HEART**

» [Dr. Jozef Raco](#), Prof. Johanis Ohoitumur, Prof. James Krejci, Mr. yulius raton, Mr. Anselmus Jamlean, Dr. Ignasius Welerubun, Dr. Rafael Tanod

8:05am **SU_T6_T7 - Tracks 6 and 7**

Zoom SU_T6_T7

Chaired by: Müjgan Sağır

8:05am **Selection of medical waste treatment centers using ANP**

» [Ms. Xin Li](#), Prof. Xi Chen, Prof. Mujgan Sagir

8:20am **Model to determine the investment priority for telecontrolled facilities in Sanitary Industry in Chile to adapt to climate change**

» [Mr. Claudio Macuada](#), Dr. Astrid Oddershede, Dr. Luis Quezada, Dr. Pedro Palominos

8:35am **AHP- BASED SOCIAL VULNERABILITY INDEX FOR SMALL FISHERIES IN YUCATAN, MEXICO**

» [Ms. Tatiana Merino](#), Dr. Ileana Grave, Dr. Luis Antonio Bojórquez-Tapia

9:05am **SU_T1_S5 - Track 1 - Session 5**

Zoom SU_T1_S5

Chaired by: Prof. Luis Vargas

9:05am **Weighted average vs TOPSIS: a comparison of aggregation methodologies for AHP**

» [Dr. Francesco Ciardiello](#), Prof. Andrea Genovese

9:22am **Extension of the AHP method to group decision-making for determining the best care center of severe cases of covid-19 in Ouagadougou/Burkina Faso: The case of three decision makers.**

» Dr. Zoinabo Savadogo, [Mr. Frédéric NIKIEMA](#), Prof. Somdouda SAWADOGO, Prof. Blaise SOME



Continued from **Sunday, 6 December**

9:39am **TRANSMISSION LINE ROUTING USING GIS TOOLS OF SPATIAL SCIENCES**

» Mr. Nawa Raj Chapagain, [Mr. Subrat Subedi](#), Ms. Neha Joshi, Mr. Bibek Rai, Mr. Binay Paudyal, Mr. Ashish Regmi, Mr. Rajiv Bishwokarma, Mr. Saroj Ghimire, Mr. Komal Atreya

9:05am **SU_T5_S2 -
Track 5 - Session 2**

Zoom SU_T5_S2
Chaired by: Mario Sandoval

9:05am **EVALUATING THE EFFECT OF ORGANIZATIONAL MINDFULNESS IN HEALTH ORGANIZATIONS IN COLOMBIA**

» [Ms. Yuli Leon](#), Dr. Enrique Mu

9:22am **SELECTION OF BEST HOSPITAL FOR KIDNEY TRANSPLANTATION USING AHP: A CASE FOR TURKEY**

» [Dr. Fatma Kutlu Gündoğdu](#), Mr. Ali Karasan

9:39am **FUZZY AHP MODEL TO SUPPLIER PERFORMANCE EVALUATION IN PUBLIC INSTITUTIONS**

» [Ms. Juliana Leyton](#), Dr. Juan Osorio

10:05am **PLN2 -
Plenary: AHP/ANP: Issues and Insights for the Future**

Zoom PLN2
Chaired by: Dr. William Wedley

11:05am **SU_T3_S2 -
Track 3 - Session 2**

Zoom SU_T3_S2
Chaired by: Azilah Anis

11:05am **DISPATCH PRIORITIZATION IN AN AGRICULTURAL FERTILIZER COMPANY USING AHP AND TOPSIS**

» [Mr. Jorge Rojas](#), Dr. Juan Osorio

11:22am **SUPPLIER SELECTION USING AHP AND TOPSIS IN FOOD COMPANIES CONSIDERING OPERATIONAL RISK**

» [Mrs. Jenny Hurtado](#), Mrs. Katherine Hurtado, Dr. Juan Osorio, Mrs. Carolina Lima

11:39am **THE ANALYTIC HIERARCHY PROCESS: APPLICATION TO THE SELECTION OF THE BEST E-WALLET IN KLANG VALLEY, MALAYSIA.**

» [Mr. Rajan Amaloo](#)

11:05am **SUN_APPS -
AHP Applications**

Zoom SUN_APPS
Chaired by: Rozann Saaty

11:05am **A MCDM MODEL FOR MEASURING THE PREPAREDNESS LEVEL OF SALES DEPARTMENTS IN COVID-19 AND FUTURE PANDEMICS: ELECTRICAL APPLIANCE SECTOR**

» [Dr. Miguel Ortíz-Barrios](#), Dr. Iván-Darío Gómez-Villar, Dr. Arlen Borrego-Areyanes, Prof. Antonella Petrillo

11:22am **DETERMINING CRITERIA AND SUB-CRITERIA WEIGHTS FOR THE SELECTION OF REGIONAL CENTERS OF COMPETENCE IN CROATIA**

» [Dr. Bojan Zugec](#), Prof. Blazenka Divjak, Ms. Nina Begicevic Redjep

11:39am **AHP for Land Valuation in Land acquisition for Infrastructure Development**

» [Dr. Subash Ghimire](#)

12:05pm **SU_T4_S1 -
Track 4 - Session 1**

Zoom SU_T4_S1
Chaired by: Prof. Alessio Ishizaka



Continued from **Sunday, 6 December**

- 12:05pm **APPLICATION OF THE AHP-TOPSIS-2N HYBRID METHOD FOR SELECTION OF AN ATTACK HELICOPTER TO BE ACQUIRED BY THE BRAZILIAN NAVY**
» Mr. Igor Pinheiro de Araújo Costa, Mr. Marcos Alexandre Pinto de Castro Junior, Mr. SÉRGIO MITIHIRO DO NASCIMENTO MAÊDA, Dr. Luiz Paulo Fávero, Mr. Arthur Pinheiro de Araújo Costa, Mr. José Victor de Pina Corriça, Dr. Carlos Francisco Simões Gomes, Dr. Marcos dos Santos
- 12:21pm **Evaluation of Key Technological Tools in terms of Supply Chain Sustainability in the Digitalization Era with Different Analytic Hierarchy Process Methods**
» Dr. ABDULLAH YILDIZBASI, Mr. Cihat OZTURK, Dr. Sachin Kumar MANGLA, Prof. Yiğit KAZANCOGLU
- 12:37pm **USING AHP AND QFD IN THE INVESTIGATION AND REFINEMENT OF E-BANKING SERVICES**
» Dr. Georgios Paltayan, Prof. Andreas Georgiou, Prof. Katerina Gotzamani
- 1:05pm **PNL1 - AHP Students Roundtable**
Zoom PNL1
Chaired by: Dr. Enrique Mu and Dr. Elena Rokou and Dr. Anna Florek-Paszowska
- 2:05pm **AWRD - Closing/ Awards Ceremony**
Zoom AWRD
Chaired by: Dr. Enrique Mu and Rozann Saaty