

### ***AIME'09 Scientific Programme***

AIME'09 conference will be held at **Polo Zanotto**, the humanistic center of the University of Verona. See the [venue page](#) for further information.

The conference programme is the following:

#### **Monday 20th July**

<b>Monday 08:30-09:30 Registration</b>
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<b>Monday 09:30-10:00</b>
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<b>Opening Ceremony</b>
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<i>Chair: Ameen Abu-Hanna</i>
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<b>Monday 10:00-11:00</b>
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<b>Invited Talk</b>
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Catherine Garbay.
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Computer Vision: a Plea for a Constructivi
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## Conference Programme

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([PDF](#) file)  
*Chair: Carlo Combi*

**Break**

**Monday 11:30-13:15**

**Temporal Reasoning and Temporal Data Mining**

*Chair: Silvia Miksch*

11:30-11:55

Stefano Concaro, Lucia Sacchi, Carlo Cerra, Pietro Fratino and Riccardo Bellazzi. Mining Healthcare

11:55-12:20

Corrado Loglisci and Donato Malerba. A Temporal Data Mining Approach for Discovering Knowledge c

12:20-12:45

Jose M. Juarez, Manuel Campos, Jose Palma, Francisco Palacios and Roque Marin. Severity Evaluati

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12:45-13:10

Feng Gao, Yaji Sripada, James Hunter and Francois Portet. Using Temporal Constraints to Integrate

13:10-13:15

Paloma Chausa, César Cáceres, Lucia Sacchi, Agathe León, Felipe García, Riccardo Bellazzi and Er

**Lunch**

**Monday 14:45-16:00**

**Therapy Planning, Scheduling and Guideline-based Care I**

*Chair: Mor Peleg*

14:45-15:10

Marco Beccuti, Alessio Bottrighi, Giuliana Franceschinis, Stefania Montani and Paolo Terenziani. Mod

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14:50-14:55

Samina Abidi and Syed Sibte Raza Abidi. Towards the Merging of Multiple Clinical Protocols and Guidelines

14:55-15:00

Gersende Georg, Hugo Hernault, Marc Cavazza, Helmut Prendinger and Mitsuru Ishizuka. Analysing

15:00-15:05

Alessio Bottrighi, Federico Chesani, Paola Mello, Giampaolo Di Caro, Nicola Guenda, Stefano Basile, Medico

### Case Based Reasoning

*Chair: Blaz Zupan*

15:10-15:35

Alexander Schlaefer and Sonja Dieterich. Feasibility of case-based beam generation for robotic radiosurgery

15:35-16:00

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David McSherry. Conversational Case-Based Reasoning in Medical Classification and Diagnosis

**Break**

**Monday 16:20-18:25**

**Medical Imaging**

*Chair: Catherine Garbay*

16:20-16:45

Juan C. Caicedo, Angel Cruz and Fabio Gonzalez. Histopathology Image Classification using Bag of

16:45-17:10

Matjaz Kukar and Luka Sajn. Improving probabilistic interpretation of medical diagnoses v

17:10-17:35

Aliaksei Kerhet, Cormac Small, Harvey Quinlan, Alexandre B. F. Lourenco, Russell Greiner, and Wilson Ro

17:35-17:40

Karim Benzeroual, Mohammed Haouach, Christiane Guinot and Gilles Venturini. A system for the acco

### **Knowledge-based and Decision-support Systems**

*Chair: Allan Tucker*

17:40-17:45

Rogier Barendse, Jonathan Lipton, Maarten van Ettinger, Stefan Nelwan and Niek van der Putten. Im

17:45-17:50

Steen Andreassen, Alina Zalounina, Knud Pedersen, John Gade, Mical Paul and Leonard Leibovici. S

17:50-17:55

Sajjad Hussain and Syed Sibte Raza Abidi. Integrating Healthcare Knowledge Artifacts for Clinical De

17:55-18:00

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Luca Chittaro and Roberto Ranon, Elio Carichietti, Agostino Zampa, Emanuele Biasutti, Luca De Marco

18:00-18:05

Weiqin Chen and Dag Skjelvik. A Mobile Clinical Decision Support System for Clubfoot Treatment

18:05-18:10

Azizi Ab Aziz, Michel Klein and Jan Treur. An Ambient Intelligent Agent for Relapse and Recurrence

18:10-18:15

Davide Capozzi and Giordano Lanzola. An advanced platform for managing complications of chronic

18:15-18:20

P. Mihova, J. Vinarova, I. Pendzhurov. One telemedical software solution in Bulgaria

18:20-18:25

Kaya Kuru, Sertan Girgin and Kemal Arda. A Novel Multilingual Report Generation System for Medical

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**18:30 AIME Board Meeting**

**20:15 Welcome Reception**

**Tuesday 21st July**

**Tuesday 09:00-10:00**

**Invited Talk**

Carol Friedman.

Discovering Novel Adverse Drug Events U

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(  [PPT](#) file)

*Chair: Yuval Shahar*

**Tuesday 10:00-11:00**

**Ontologies, Terminologies** and **Natural Language I**

*Chair: Michel Dojat*

10:00-10:25

Vit Novacek, Tudor Groza and Siegfried Handschuh. CORAAL -- Towards Deep Exploitation of Textu

10:25-10:30

David Riaño, Francis Real, Fabio Campana, Sara Ercolani and Roberta Annicchiarico. An Ontology for

10:30-10:35

Silvana Quaglini, Silvia Panzarasa, Tiziana Giorgiani, Chiara Zucchella, Michelangelo Bartolo, Elena

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10:35-10:40

Lina Maria Rojas-Barahona, Silvana Quaglini and Mario Stefanelli. HomeNL: Homecare Assistance in

10:40-10:45

Laura Moss, Derek Sleeman, Malcolm Booth, Malcolm Daniel, Lyndsay Donaldson, Charlotte Gilhooly

10:45-10:50

Stéfan J. Darmoni, Suzanne Pereira, Saoussan Al-Sayid, Rajesh Desai, Elisa Pereira, Michel Dubois, and

10:50-10:55

Jeffery Painter and Natalie Flowers. CodeSlinger: An Interactive Biomedical Ontology Browser

**Break**

**Tuesday 11:30-13:05**

**Data Mining, Machine Learning, Classification and Prediction I**

*Chair: Steen Andreassen*

11:30-11:55

Lan Umek, Blaz Zupan, Marko Toplak, Annie Morin, Jean-Hugues Chauchat, Gregor Makovec and Dra

11:55-12:20

Joo Heon Shin, Dave Smith, Roman Swiniarski, Edward Dudek, Andrew White, Kevin Staley and Krzysz

12:20-12:45

Mohamed ROUANE HACENE, Yannick TOUSSAINT and Petko VALTCHEV. Mining safety Signals in

12:45-12:50

David Perez-Rey and Víctor Maojo. An Ontology-based Method to link Database Integration and Data

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12:50-12:55

Beatriz López, VICTOR BARRERA NÚÑEZ, JOAQUIM MELÉNDEZ FRIGOLA, CARLES POUS SABA

12:55-13:00

Paola Salle, Sandra Bringay and Maguelonne Teisseire. Mining Discriminant Sequential Patterns for

13:00-13:05

Ajay Kumar Tanwani and Muddassar Farooq. The Role of Biomedical Dataset in Classification

**Lunch**

**Tuesday 14:45-16:00**

**Probabilistic Modeling and Reasoning**

*Chair: Werner Horn*

14:45-15:10

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Marina Velikova, Maurice Samulski, Peter Lucas and Nico Karssemeijer. Causal Probabilistic Modelling

15:10-15:15

Nivea Ferreira and Peter Lucas. Modelling Screening Mammography Images: a Probabilistic Relation

15:15-15:20

Marianne Mueller, Romer Rosales, Harald Steck, Sriram Krishnan, Bharat Rao and Stefan Kramer. D

### **Data Mining, Machine Learning, Classification and Prediction II**

*Chair: Peter Lucas*

15:25-15:50

Gema García-Sáez, Jose María Alonso, Javier Molero, Mercedes Rigla, Iñaki Martínez-Sarriegui, Alb

15:50-15:55

Fedor Zhdanov, Vladimir Vovk, Brian Burford, Dmitry Devetyarov, Iliia Nouretdinov and Alex Gammer

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15:55-16:00

Steven Ganzert, Stefan Kramer, Knut Möller, Daniel Steinmann and Josef Guttmann. Prediction of M

**Break**

**Tuesday 16:20-16:40**

**Gene and protein data**

*Chair: Riccardo Bellazzi*

16:20-16:25

Adelaide Freitas, Gladys Castillo and Ana Luisa de Sa. Background Correction on Cancer Classification

16:25-16:30

Francesca Mulas, Tomaz Curk, Riccardo Bellazzi and Blaz Zupan. On quality of different annotation s

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16:30-16:35

Angelo Nuzzo, Alberto Riva, Mario Stefanelli and Riccardo Bellazzi. An Architecture for Automated Reasoning

16:35-16:40

Italo Zoppis, Erica Gianazza, Clizia Chinello, Veronica Mainini, Carmen Galbusera, Carlo Ferrarese, C

### +POSTER SESSIONS

17:15 Guided Visit to Verona

20:45 Social Dinner

## Wednesday 22nd July

Wednesday 8:45-11:00

Data Mining, Machine Learning, Classification and Prediction III

*Chair: John Holmes*

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8:45-9:10

Phattanon Rhienmora, Peter Haddawy, Siriwan Suebnukarn and Matthew Dailey. Providing Object

9:10-9:35

Daniel Voigt, Michael Döllinger, Anxiong Yang, Ulrich Eysholdt and Jörg Lohscheller. Voice Pathology

9:35-10:00

Yunli Wang, Hongyu Liu, Liqiang Geng, Matthew Keays and Yonghua You. Automatic Detecting Document

10:00-10:25

Rattapoom Waranusast, Peter Haddawy and Matthew Dailey. Segmentation of Text and Non-Text in On

10:25-10:30

Andriy Batchinsky, Jose Salinas, John Jones, Corina Necsoiu and Leopoldo Cancio. Predicting the Need

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10:30-10:35

Alessandro Daducci, Umberto Castellani, Marco Cristani, Paolo Farace, Pasquina Marzola, Andrea S

10:35-11:00

Nicoletta Dessì and Barbara Pes. A Framework for Multi-Class Learning in Micro-array Data Analysis

**Break**

**Wednesday 11:30-13:00**

**Ontologies, Terminologies**

*Chair: Silvana Quaglini*

**and Natural Language II**

11:30-11:55

Stéphane Meystre. Detecting Intuitive Mentions of Diseases in Narrative Clinical Text

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11:55-12:20

Kaarel Kaljurand, Fabio Rinaldi, Thomas Kappeler and Gerold Schneider. Using existing biomedical r

**Therapy Planning, Scheduling and Guideline-based Care II**

*Chair: Jim Hunter*

12:25-12:50

Ivan Vermeulen, Sander Bohte, Peter Bosman, Sylvia Elkhuisen, Piet Bakker and Han La Poutré. Op

12:50-12:55

Elizabeth Black, David Glasspool, Adela Grando, Vivek Patkar and John Fox. Goal-based decisions fo

12:55-13:00

Dobriła Petrovic, Mohammad Morshed and Sanja Petrovic. Genetic Algorithm Based Scheduling of R

**Closing ceremony & buffet with biological meals**

### Instructions for Speakers

A PC with data projection facilities and internet access is available at the speakers' podium. We are assuming that all presenters will want to display slides:

- in Microsoft Powerpoint or Adobe Acrobat format;
- loaded from a memory stick or CD or floppy disc.

Presenters should let Carlo Combi know if this is not the case.

It will also be possible for presenters to project from their own laptops and access to the Internet via Wireless LAN (including Remote Desktop and SSH) will be available. (But have some "Plan B" available just in case!)

### Instructions for Poster Presenters

Posters should not exceed 90 cm wide by 120 cm tall. Fixings will be provided.

Posters can be mounted from Monday 20th morning and should remain up until the end of the conference.

Poster spaces will be allocated in advance; please consult the plan on arrival.