

**Eleventh Latin American Workshop on New Methods of Reasoning 2018**  
**Logic / Languages, Algorithms, New Methods of Reasoning**  
**Conference Agenda 15<sup>th</sup> November, 2018**

9:00 – 9:09	Opening
<b>Non classical logics</b> <span style="float: right;"><b>chair: Dr. Mauricio Osorio</b></span>	
9:10 – 9:29	Craig Interpolation on the Logic of Knowledge <i>Everardo Bárcenas, José-De-Jesús Lavalle-Martínez, Guillermo Molero and Alejandro Velázquez Mena</i>
9:30 – 9:59	Lukasiewicz' 3-valued logic can not be expressed in terms of SP3A logic <i>Jaime Díaz, Jose Luis Carballido, Mauricio Osorio and Claudia Zepeda</i>
10:00 – 10:40	<b>Special talk</b> Ideal of a graph <i>Dr. José Antonio Hernández-Servín,</i> <i>Facultad de Ingeniería de la Universidad Autónoma del Estado de México</i>
10:40 – 10:59	<b>Receso</b>
11:00 – 11:19	Implication and biconditional in some three-valued logics <i>Verónica Borja Macías and Alejandro Hernández-Tello</i>
<b>Model Theories</b> <span style="float: right;"><b>chair Dr. Raymundo Marcial</b></span>	
11:20 – 11:39	On combining numerical optimization techniques with a belief merging approach <i>Oscar Chávez-Bosquez, Pilar Pozos-Parra and Betania Hernandez-Ocaña</i>
11:40 – 11:59	Model counting for #2SAT problem in outerplanar graphs <i>Marco Antonio López Medina, José Raymundo Marcial Romero, José Antonio Hernández Servín and Guillermo De Ita Luna</i>
12:00 – 12:19	The computation of #2SAT by a Fixed-Parameter Tractable Algorithm <i>Guillermo De Ita Luna, Pedro Bello López and Miguel Rodríguez Hernández</i>
<b>Miscellaneous</b> <span style="float: right;"><b>chair: Dra. Pilar Pozos</b></span>	
12:20 – 12:39	A tableaux method for term logic <i>José Martín Castro-Manzano</i>
12:40 – 12:59	A history and reversibility for quantum programming language QML <i>Nely Plata, José Marcial and José Hernández</i>
13:00 – 13:19	Machine learning-based categorization for diagnosis of neurodegenerative diseases <i>Eddy Sánchez and Pilar Pozos</i>
13:20 – 13:39	A novel heuristic for the coloring of planar graphs <i>Guillermo De Ita, Cristina López and Adriana Luna</i>
13:40 – 14:00	Knowledge representation of passages type TOEFL <i>Meliza Contreras González, Mireya Tovar Vidal and Guillermo De Ita Luna</i>