Venue 1	NMMU North Campus Conference Centre Theatre
Venue 2	New Engineering Building Theatre

<b>DAY 0: 25 NOV</b>	EMBER 2015	
17h00	Welcome and Registration Cocktail	Venue 2

DAY 1: 26 NOVEMBER 2015			
TIMES	ITEM	AUTHORS/SPEAKERS	VENUE
07h30 - 08h30	Registration and Coffee		Venue 1
08h30 - 09h00		Prof Andrew Leitch (DVC: Research and Engagement – NMMU)	Venue 1
	Dr Benjamin Rosman (CSIR)	Chair	
09h00 - 09h45	Keynote Address	Prof Chris Williams	Venue 1

10h00 - 11h00	Session 1A: Machine Learning		
	High-level Rapid Prototyping of Graphical Models	Hendrik De Villiers, Lynette Van Zijl and	
Session Chair:	3, 5	Thomas Niesler	Venue 1
Michael Mitchley	Autonomous Prediction of Performance-based Standards for Heavy	Robert Berman, Richardt Benade and	venue i
wiichaer wiitchiey	Vehicles	Benjamin Rosman	
	Semi-supervised Spectral Connectivity Projection Pursuit	David Hofmeyr and Nicos Pavlidis	
10h00 - 11h00	Session 1B: Unmanned Aerial Vehicles		
	Prototyping during the requirements elicitation process in the development	Jeremy Green, Annlize Marnewick and	
	of an underground unmanned aerial system.	Jan-Harm Pretorius	
	Review of Standard Rotor Configurations for a Micro Unmanned Aerial	Angus Steele and Johann Treurnicht	Venue 2
Tracey Booysen	System	ů .	
	Emotional Feedback for Service Robots using Hapto-Acoustic Interface	Christina Pahl and Karthik Mahesh	
		Varadarajan	

11h00 - 11h20	Coffee Break	Session 1A	Venue 1
		Session 1B	Venue 2

11h20 - 13h00	Session 2A: Speech		
	Using generalized maxout networks and phoneme mapping for low	Reza Sahraeian, Dirk Van Compernolle	
	resource ASR- a case study on Flemish-Afrikaans	and Febe de Wet	
	Synthetic triphones from trajectory-based feature distributions	Jaco Badenhorst and Marelie Davel	
Session Chair: Febe	Unsupervised acoustic model training: comparing South African English and	Neil Kleynhans, Febe de Wet and	Venue 1
	isiZulu	Etienne Barnard	
	Predicting vowel substitution in code-switched speech	Thipe Modipa and Marelie Davel	
	HMM Adaptation for child speech synthesis using ASR data	Avashna Govender, Bakari Nouhou and	
	Inivity Adaptation for Child Speech Synthesis using ASK data	Febe de Wet	
11h20 - 13h00	Session 2B: Bio-inspired and Medi	cal	
	Design of a Virtual Simulator for Transesophageal Echocardiography Remote Control	Jose Zarate and Christina Pahl	
		Drew van der Riet, Riaan Stopforth,	
Session Chair:		Glen Bright and Olaf Diegel	Venue 2
	Self-Learning of Inverse Kinematics for Feedforward Control of Intracardiac	Ge Bain, Michael Lipowicz and Grant	
	Robotic Ablation Catheters	Kruger	
	Arachnid-inspired Kinesthesia for Legged Robots	Nicholas Harvey and Andre Nel	
	Gait adaptation of a six legged walker to enable gripping	Tracy Booysen and Florian Reiner	

## 13h00 - 13h50 | Lunch Break | All sessions: NMMU North Campus Conference Centre Restaurant (Venue 1)

13h50 - 15h10	Session 3A: Vision 1		
	Single-labelled Music Genre Classification Using Content-Based Features	Ritesh Ajoodha, Richard Klein, and	
	Single-labelled Music Gerile Classification Using Content-based Features	Benjamin Rosman	
Session Chair: Fred	Face and Iris biometrics person identification using hybrid fusion at feature	Valentine Azom, Aderemi Adewumi	Venue 1
Nicolls	and score-level	and Jule-Raymond Tapamo	venue i
Nicolis	Uning a Classifier to Track the Edge of a Conveyor Bolt	Ra'Eesah Mangera, Garry Morrison	
	Using a Classifier to Track the Edge of a Conveyor Belt	and Anthon Voigt	
	Contrasting Classifiers for Software-based OMR Responses	Bertram Haskins	
13h50 - 15h10	Session 3B: Manufacturing		
	Integration of an Electrical Discharge Machining Module onto a	Bryndan Roberts, Igor Gorlach and Theo	
	Reconfigurable Machine Tool	van Niekerk	Venue 2
	Validating a Reconfigurable Assembly System Utilizing Virtual	HJ Vermaak and JA Niemann	
	Rapid Prototyping of Small Wind Turbine Blades Using Additive	Sean Poole and Russell Phillips	
	Manufacturing		
		Andrew Illidge, Anthony Walker and	
	Automated Flexible Fixture System	Glen Bright	

Session 3B   Venue 2	15h10 - 15h30	Coffee Break	Session 3A	Venue 1
18h30 or 19h00  GALA DINNER  GALA DINNER  GALA DINNER  GALA DINNER  GALA DINNER  GALA DINNER  TIMES  TIMES  TIMES  TIMES  TIMES  TIMES  TOTHAS - 08h15  Registration and Coffee  Wenue 1  TOTHOS - 08h15  Registration and Coffee  Wenue 1  Wenue 2  Nacional Michael Burke and Deon Sabatta  Ludianile Mazamo, Albert Helberg and Sonia Bosch  Sonia Bosch  A traigilifoward method for calculation of frequency for Jackermaning HNM TI TOS miffication of Multilingual Names  Olivaspelumi Give and Marelle Davel  A Local Planner for Ackermann-Driven Vehicles in ROS SBPL  Nacional Ludianile Mazamo, Albert Helberg and Sonia Bosch  Nacional Ludianile Mazamo, Selection Bosch  Nacional Ludianile Mazamo, Albert Helberg and Sonia Bosch  Nacional Ludianile M	101110 - 101100	Conce Break		
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WERK_*, Baakens Valley, Alabaster Street, South End, Port Elizabeth, St. Africa. 33.968118, 25.620633   WERK_*, Baakens Valley, Alabaster Street, South End, Port Elizabeth, St. Africa. 33.968118, 25.620633   Were 1	15h30 - 16h30	Poster and Demo Session		Venue 1: Room 2
Section Chair: Nation   Section Activation   Section   Section Activation   Section   Section Activation   Section   Section Activation   Section Activati	101100 - 101100	i Oster una Demo Gession		Vende 1. Room 2
TIMES   TITEM   AUTHORS/SPEAKERS   VENUE   D7-M5-0-98105   Registration and Coffee   Venue 1   D7-M5-0-98106   Keynote Address: Prof Jan Peters   Venue 1   D7-0-1100   Session AA: NLP & TTS   D7-0-1100   Session AB: Nl-P & Sessio	18h30 for 19h00	GALA DINNER	Africa	treet, South End, Port Elizabeth, Sou
TIMES   TITEM   AUTHORS/SPEAKERS   VENUE   D7-M5-0-98105   Registration and Coffee   Venue 1   D7-M5-0-98106   Keynote Address: Prof Jan Peters   Venue 1   D7-0-1100   Session AA: NLP & TTS   D7-0-1100   Session AB: Nl-P & Sessio				
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March   Marc			AUTHORS/SPEAKERS	
Session 4A: NLP & TTS   Topic models for conference session assignment: Organising PRASA   Michael Burke and Deon Sabatta   2014(5)   Extracting South African safety and security incident patterns from social microducing XGL - a lexicalised probabilistic graphical lemmatiser for schickings   Michael Burke and Deon Sabatta   Vukosi Marivate   Vukosi M	07h45 – 08h15	Registration and Coffee		Venue 1
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Session Chair: Jeremy Green  Development of an educational tool to teach primary school pupils multiplication tables Modelling of Boiler Fireside Control in Flownex Software Environment Sliding Mode Control for Electromagnetic Levitation System Based on Mulhammad Aamir Akram, Ijlal Haider,				Venue 2
Multiplication tables  Modelling of Boiler Fireside Control in Flownex Software Environment  Sliding Mode Control for Electromagnetic Levitation System Based on  Muhammad Aamir Akram, Ijial Haider,				
Jeremy Green multiplication tables modelling of Boiler Fireside Control in Flownex Software Environment Sliding Mode Control for Electromagnetic Levitation System Based on Mulhammad Amir Akram, Ijial Haider,	Session Chair:			
Sliding Mode Control for Electromagnetic Levitation System Based on Muhammad Aamir Akram, Ijlal Haider,				
		Modelling of Boiler Fireside Control in Flownex Software Environment	Andre Kellerman and Igor Gorlach	
		Sliding Mode Control for Electromagnetic Levitation System Based on		
		Feedback Linearization	Vali Uddin and Habib-Ur-Rehman Khalid	
			Vali Uddin and Habib-Ur-Rehman Khalid	
h00 – 13h50   Lunch Break   Venue 1	h00 – 13h50	Feedback Linearization	Vali Uddin and Habib-Ur-Rehman Khalid	Venue 1

14h00 – 15h00 Annual General Meeting and Closing