

## **Background:**

Dr. Michaella Janse van Vuuren was born in Pretoria, South Africa, in 1973. She completed her schooling at Pro Arte, the School for Music Art Drama and Ballet in Pretoria. After some years spent as freelance and performance artist, she commenced her studies in Electrical Engineering at UCT. In 2004 she obtained her PhD in Electrical Engineering with a focus on Computer vision. This was followed by a year as researcher at the Centre for Scientific and Industrial Research (CSIR). She then decided to learn more about 3D printing and its' medical applications and commenced on a Postdoctoral fellowship in custom implant design using Computer Aided Design and additive manufacturing at the Central University of Technology in Bloemfontein. During this time she fell in love with the possibilities of 3D printing and the unique potential of this manufacturing process to merge her artistic and technical interests. Michaella formed her company NOMILI ([www.nomili.co.za](http://www.nomili.co.za)) to exclusively dedicate her time to designing for 3D printing. Since starting her company she has been creating both design and fine art pieces, and her works include lighting, sculptures, functional objects and jewellery.

## **Highlights:**

The Horse Marionette, Rocking Springbuck and the Birdman are selected for the Southern Guild 2011 collection that will be launched at the 2011 Jo'burg Art Fair.

Invited speaker at Afrimold 2011

Jewellery designs selected for of the MGX by Materialise Summer Jewellery Collection. Materialise is the world's leader in digitally fabricated products.

Selected for the RAPID 2011 Additive manufacturing Contemporary Art Gallery in Minneapolis, USA.

Invited speaker at RAPDASA 2010

The Krizant.MGX part of the MGX by Materialise Principal Collection. Materialise is the world's leader in digitally fabricated products.

The Chrysanthemum centerpiece voted as Design Indaba 2009 Expo's Most Beautiful Object in South Africa.

Festival artist of the KKNK 2010, one of the largest art festivals in South Africa.

PhD in Electrical Engineering in 2004.

## **TIMELINE**

### **2011**

September: Invited Speaker and Exhibitor at Afrimold 2011

September: The Horse Marionette, Rocking Springbuck and Birdman selected for the Southern Guild 2011 Collection.

July: 5 *Jewellery* designs included in the .MGX by *Materialise* Summer 2011 Collection.

May: One of 17 international artists selected to exhibit at the RAPID 2011 conference Contemporary Art Gallery in Minneapolis, USA.

May: 'The Mute Opera 1' an exhibition with Paul Boulitreau, Grande Provence Art Gallery, Franschoek.

## **2010**

November: Invited speaker on art and design using additive manufacturing at RAPDASA 2010 (the Rapid Product Development Association of South Africa)

October: L'Origine du Monde- This is not a porn song Group exhibition at the Aardklop national Art Festival in Potchefstroom.

September: One of 5 designers commissioned to take part in the Grolsch Swingtop Chandelier competition.

May: Birth of her son.

April: the KRIZANT.MGX design included in the .MGX by Materialise principal collection launched in Milan at the Salon del Mobile.

April: Michaela Janse van Vuuren and Lucas Thobejane selected as joint festival artists of the Klein Karoo National Arts Festival.

March: Collateral group exhibition at the FRIED Contemporary Art Gallery, a collaboration with Gordon Froud.

March: One of 5 designers commissioned to present a prototype for the Budweiser man of the Match Trophy.

February: Exhibit at the Design Indaba 2010 expo as NOMILI.

## **2009**

December: Group Exhibition at ARTSPACE warehouse.

September: Diptych art Exhibition at the Association of Arts in Pretoria.

March: The Chrysanthemum centrepiece voted as Design Indaba 2009 Most Beautiful Object in South Africa.

February: Exhibit at the Design Indaba 2009 expo as NOMILI.

## **2008**

June: KYK gallery's Artificial Light group exhibition, Pretoria.

Open Lab II exhibition at the Design Quarter, Johannesburg.

## **2007**

November: Group exhibition of Pretoria Jewellers at the South African Association of Art

Final selection in the VISI Haute Lumière Lighting competition.

Postdoctoral fellow at the Central University of Technology, Bloemfontein.

## **2006**

Postdoctoral fellow at the Central University of Technology, Bloemfontein.

## **2005**

Researcher at the Meraka Institute, CSIR.

## **2004**

Completion of PhD in Electrical Engineering; Human Pose and Action recognition using Negative Space Analysis.

## **2002**

Consultant on the construction of a video database for De Beers.

Awarded Scarce Skills Scholarship (NRF), National Research Fund Bursary and De Beers Bursary for research in computer vision.

## **2001**

An investigation into the relationship between art and image processing toward the development of computer vision systems.

Construction of a gesture database comprising 7 actors from six different camera angles.

Awarded (NRF) National Research Fund Bursary and de Beers Bursary for research in computer vision.

## **2000**

The development of an interactive world: An animated character automatically mirrors the actions of an actor in a bluescreen studio.

Upgrade Masters to a PhD.

The construction a bluescreen studio at UCT for research purposes.

Awarded (NRF) National Research Fund Bursary and De Beers Bursary for research in computer vision.

## **1999**

Commence Masters studies in Electrical Engineering.

The development of a vision system for the automatic detection and tracking of eyes in video sequences.

Awarded (NRF) National Research Fund Bursary and De Beers Bursary for research in computer vision.

## **1995-1998**

BSc Electrical Engineering.

## **1994**

Completed 1st Year Computer Science UNISA.

## **1992-1993**

Hirt and Carter DTP Course. Photoshop, Quark Express and Adobe Freehand.

Freelance Artist, Live Performance Artist, and Mural Artist.

## **1991**

Michaelis Art School, uncompleted.

1986-1990 ProArte High School for Art Music Ballet and Drama.  
Two Distinctions for Art in Matric. Specialized in Painting, Sculpture, Puppetry, Body Sculpture and Video Art.  
Santam Art Bursary awarded to the top ten matriculants in art of that year.

CV ([link to pdf file](#))