

# Eliana Aquino Van Etten

PhD

## CONTACT

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### Immigration Status

US Permanent Resident  
Brazilian Citizen

## SOCIAL

	elianavanetten
	Eliana Aquino Van Etten
	Eliana Van Etten

## LANGUAGES

## OBJECTIVE STATEMENT

I am seeking a fresh challenge within the high technology sector. I am interested in research engineering position where I can apply my proven skills and experience.

## EXPERIENCE

### CEITEC Semiconductors S.A | Process Engineer

*Jan. 2014 - Feb. 2019, Porto Alegre, RS, Brazil*

- Established process control, validation and optimization for microfabrication, especially for photolithography, metrology and thin films processes. Proficiency with tools such SPC, DOE, FMEA, PDCA, etc.
- Operation and maintenance support for steppers, tracks, CD-SEMs and other metrology tools.
- Worked on R&D and new product development projects. Developed prototypes successfully: polysilicon strain gauge, microfluidic structures for plasma separation, SU8 and silicon nitride based photonics waveguides, resonators and gratings, antenna and inductors for RFID multichip modules and interposers.
- Developed supply chain for mask production and the internal procedures for defining mask layout and design.
- Designed multiple masks for microfabrication devices.

### Inventiva S.A | R&D and Production Engineer

*Jun. 2010 - Oct. 2011, Porto Alegre, RS, Brazil*

- Responsible production of lipid nanoparticles and nano-encapsulation of a variety of active ingredients.
- Set up and organized the manufacturing structure,

## English

Fluent

## German

Fluent (DSH certificate)

## Portuguese

Native Language

## Spanish

Fluent

## Hebrew

Beginner level

## IT TOOLS

MS Windows

MS Office

MS Project

SAS and JMP

Python

process validation and production scaling up.

- Strong interaction with other departments, providing help and guidelines for the setup of the business operation.

### **W.L Gore & Associates | R&D Process Engineer**

*Jan. 2006 – Sept. 2009, Munich, Germany*

- Design, operations and management to processes for the manufacturing of PTFE fibers and sealants (gaskets) and Fibers.
- Achieved the successful introduction of three new products for aerospace and industrial applications.
- Developed and implemented a second source strategy for critical raw materials.
- Managed of design projects that resulted in improved process stability and capability.
- R&D experience in a large multinational technology company.

### **Fitesa S.A | Engineering Trainee**

*Aug. 2002 – Apr. 2004, Porto Alegre, RS, Brazil*

- Process engineering and production management of polypropylene fiber production.

## EDUCATION

### **Doctorate Degree | Materials Science and Engineering**

Federal University of Rio Grande do Sul (UFRGS), Brazil

*2011 – 2017*

Thesis Title: *“Fabrication of Organic Field Effect Transistor on Plastic Flexible Substrate”*

Adviser Professor: Prof. Dra. Maria Madalena de Camargo Forte

Layout Editors

## INTERESTS

Ultimate Frisbee

Hiking

Cycling

Skiing

and Prof. Dr. Henri Boudinov

Research funded by Cnpq

### **Masters | Textile Engineering**

Technische Universität Dresden (TUD), Germany

2004 - 2006

Thesis Title: *"Introduction of Thermoplastics Adhesives to the Flocking Process for the Production of Automotive Components"*

Adviser Professor: Dr.-Ing. Gerald Hoffmann

Research funded by DAAD

### **Bachelors | Materials Science and Engineering**

Federal University of Rio Grande do Sul (UFRGS), Brazil

1998 - 2003

## PUBLICATIONS

LEITE, G. V.; VAN ETTEN, E. A., FORTE, M. M. C. Forte, BOUDINOV, H.; *Degradation of current due to charge transport in top gated P3HT—PVA organic field effect transistors*; Synthetic Metals; vol. 229, 2017

VAN ETTEN, E. A.; XIMENES, E.; TARASCONI, L. T., GARCIA, I. T. S.; FORTE, M. M. C.; BOUDINOV, H.; *Insulating characteristics of polyvinyl alcohol for integrated electronics*; Thin Solid Films, vol. 568, 2014

FELIPPI, C.; OLIVEIRA, D.; STROHER, A.; CARVALHO, A.; AQUINO, E.; BRUSCHI, M.; RAFFIN, R. P.; *Safety and efficacy of antioxidant-loaded nanoparticles for an anti-aging application*. Journal of Biomedical Nanotechnology, 2011.

## **PATENT**

FRAGA, I. T, FABRIS, E. E., BERZAGUI, G.; BREIER G. P.; FERNANDEZ, L. K.; COELHO, A. V. P.; TARARAM, R., VAN ETEN, E. A.; FRASSON, J.; ANTAS, K. C.; LUNA, P. T. M.; LIMA E SILVA, S. R.; *RFID Electronic device type module*, submitted April, 2018 in Brazilian National Institute of Industrial and Intellectual Property (INPI).