

# An Architecture for an Ur-Universe: Sequential Universal Events

By

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A Thesis Submitted for the Award of the Honorary  
Doctor of Philosophy Degree in Physics from  
Northwestern International University

2003

**Bibliographic information published by the Deutsche Nationalbibliothek**

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

**Tice, Bradley S.:**

An Architecture for an Ur-Universe – Sequential Universal Events

ISBN 978-3-941274-56-3

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1. Edition 2011, Göttingen

© Optimus Verlag

URL: [www.optimus-verlag.de](http://www.optimus-verlag.de)

Printed in Germany

Paper is FSC certified (wood-free, chlorine free and acid-free,  
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## In Memorium

### The Planet Pluto\*

(1930-2006)

\*The planet Pluto, the 9<sup>th</sup> planet of our solar system was demoted to a “dwarf” planet status in 2006 by the International Astronomical Union\*\*. This was due to the reclassification of guidelines for planet status. The planet Saturn is next, overweight and circled by a ‘dirt ring’, then Mars, a ‘red’ planet, Mercury, ‘too hot’, and then the Moon, in a parasitic orbit with Earth. This should clean up the solar system quite nicely.

\*\*Overbye, D. (2006) “Pluto is demoted to dwarf planet”. The New York Times, August 24, 2006, pp. 1-3. Web site:

<http://www.nytimes.com/2006/08/24/science/space/25pluto.html?scp=1&sq=pluto%20is%20demoted%20to%20dwarf%20planet&st=cse>

## Acknowledgement

I would like to thank two of our national treasures, The United States National Laboratories, that I was employed with in the 1980's and 1990's\*. The Stanford Linear Accelerator Center, S.L.A.C., in Menlo Park, California U.S.A. and the NASA Ames Research Center, at Moffett Field in Mountain View, California U.S.A.

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\* Deputy Secretary of Energy for the United States Daniel Poneman called the United National Laboratories a s 'National Treasures' while visiting Sandia National Laboratory in 2009 (EERE News (2009) "DOE announces more than \$104 million for national laboratory facilities" EERE News, November 18, 2009, pp. 1-2. Web Site: [//apps1.eere.energy.gov/news/daily.efm/hp.news.id-218?print](http://apps1.eere.energy.gov/news/daily.efm/hp.news.id-218?print)).

## **Abstract**

The dissertation will address an update of a ‘Unsteady State’ model of universe creation as proposed in my 1998 research paper that was unpublished at the time. The current age of the universe is 13.7 billion years, but many large scale structures found in the universe are much older by billions of years.

The research conducted in this work supports the original observations as found in the original paper. A ‘learning model’ is examined in regards to ‘how’ the ideas for the 1998 paper developed from notes from 1996 to 1998 to the final papers.

## Preface

This thesis is a development from an unpublished paper that was awarded an Honorary Doctor of Physics degree from Northwestern International University in 2003. The Thesis was expanded and bound in 2010. While developed as a paper in 1997-1998, the concept is still being developed under the file of 'A General Theory of a Proto-Universe'.

The paper has been titled both "Before  $T=0$ ", submitted to the first conference, and "Sequential Universal Events", that was submitted to the second conference. Copies of these two papers can be found in the appendix section of this monograph.

The paper has had an unusual history. First starting off as a conference paper that was never given, due to a logistics error, and then an attempt to deliver it as a paper at another conference that also was never given, again to a logistical error, and then submitted to an Indian physics journal for publication that was reviewed and rejected. The paper finally found a home in the form of a thesis for the award of an Honorary Doctor of Philosophy in Physics degree. This paper was my first attempt to write a physics paper and I have taken the time to describe the ideas and concept found in this paper from its origins.

I would also like to thank Advanced Human Design, then located in Cupertino, California U.S.A., for the establishment of the theoretical physics division of this research and development company in 1996 so as to further research into theoretical physics. The applied physics division was founded by Advanced Human Design in 1998 in Cupertino, California U.S.A. and has had a remarkable success in the area of statistical physics, theoretical computer science and telecommunications research.

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