

Curriculum Vitae

Conrad Ranzan, U.R.S.C.*

(* Unindoctrinated Revolutionary Scientist/Cosmologist)

Formal education: Studied engineering at the University of Toronto and Ryerson University during the 1970s.

2001 Founded the cosmology known as the **Dynamic Steady State Universe (DSSU)**, an uncompromisingly natural theory of our **cellular universe**.

DSSU C. Ranzan, *The Dynamic Steady State Universe*, **Physics Essays** Vol.27, No.2, pp.286-315 (2014). Doi: <http://dx.doi.org/10.4006/0836-1398-27.2.286> [Reprint](#)

2002 Presented the **DSSU theory** at the **2002 ESA/ESO/CERN Astrophysics Symposium** in Munich, Germany. The DSSU concept, thus, made its inaugural appearance in the scientific literature.

Advent of 5th Cosmology Proceedings of the ESO-CERN-ESA Symposium on Astronomy, Cosmology and Fundamental Physics: <http://www.eso.org/sci/meetings/2002/symp2002.html>
List Of Poster Presentations: <http://www.eso.org/sci/meetings/2002/symp2002/posters.html>
C. Ranzan, *The Case for a Cellular Universe –The Story of a Baffling Omission in Modern Cosmology*. **Posted at:** www.CellularUniverse.org/Th1CellularUniverseArgument.htm

2005-2009 Originated and developed the **gravity-cell theory of cosmic redshift**, a theory that requires a logarithmic equation for the conversion of redshift to cosmic distance for the DSSU (the nonexpanding cellular universe).

Cosmic redshift C. Ranzan, 2005 ... *DSSU Cosmic Redshift-Distance Relation –Converting the Cosmic RS into Distance for our Cellular Universe*. **Posted at:** www.CellularUniverse.org/D1CosmicDistEq.htm
C. Ranzan, 2008 ... *DSSU the Nonexpanding Universe: Structure, Redshift, Distance*. **Posted at:** www.CellularUniverse.org/Th0NonExpandU.htm
C. Ranzan, 2009 ... *Unified Gravitation Cells of the DSSU –Constructing the Universe with Gravity Cells*. **Posted at:** www.CellularUniverse.org/G4GravityCell.htm
C. Ranzan, *Cosmic-Redshift Distance Law Without c Without H, Galilean Electrodynamics* Vol.25, No.3, pp43-55 (2014). **Reprint posted at:** www.cellularuniverse.org/Directory.htm

2009-2010 Resolved the **Dark Matter mystery**. Discovered the cosmic *harmony of opposites*.

Cosmic harmony of opposites C. Ranzan, *The Story of Gravity and Lambda –How the Theory of Heraclitus Solved the Dark Matter Mystery*, **Physics Essays** Vol 23, No.1, pp75-87 (2010). Doi: <http://dx.doi.org/10.4006/1.3293983> [Reprint](#) posted: www.cellularuniverse.org/Directory.htm
C. Ranzan, 2007 rev2010. *Gravity and Lambda –A Story of Opposites*. **Posted at:** www.CellularUniverse.org/G1GravityLambda.htm
C. Ranzan, 2015. *Gravity and Dark Energy (How They Shape the Universe) –An Introduction*. **Posted at:** www.CellularUniverse.org/Gravity&DarkEnergy-Intro.htm

2010 Discovered and developed the **fundamental process of energy** —a process that unites aether, energy, mass, and gravity.

Energy process C. Ranzan, *The Fundamental Process of Energy –A Qualitative Unification of Energy, Mass, and Gravity*. Part I: **Infinite Energy** Issue #113 Jan/Feb 2014; Part II: **Infinite Energy** Issue #114 Mar/Apr 2014. (<http://www.infinite-energy.com/>)
Part I (**Infinite Energy**): <http://www.infinite-energy.com/iemagazine/issue113/index.html>
Part II (**Infinite Energy**): <http://www.infinite-energy.com/iemagazine/issue114/index.html>
Reprints posted at: www.cellularuniverse.org/EnergyProcess-Intro&Discuss.htm

2012	Derived the phenomenon of length contraction due to motion — <i>without resorting to conventional relativity theory</i> .
Length contraction	C. Ranzan. 2013. <i>The Physical Nature of Length Contraction</i> , Applied Physics Research Vol.5, No.1, pp87-101 (2013 Feb). (Doi: http://dx.doi.org/10.5539/apr.v5n1p87) Reprint posted at: www.cellularuniverse.org/Directory.htm
2011-2012	Discovered and developed the DSSU aether theory of gravity . Inaugurated the revolutionary unifying concept of the three Processes of Gravitation.
Three gravity processes	C. Ranzan, <i>The Processes of Gravitation –The Cause and Mechanism of Gravitation</i> , Journal of Modern Physics and Applications, Vol.2014 (2014), Article ID 3. Reprint posted at: www.cellularuniverse.org/G6GravityProcesses-abst&.htm
2013	Discovered the causal mechanism of the COSMIC REDSHIFT described as the velocity differential redshift . This is the redshift mechanism based on the velocity difference, between the ends of a photon or wave-packet of light, caused by the flow of aether—the inhomogeneous motion of the all-pervading essence medium of the universe.
Cosmic redshift	C. Ranzan, <i>Cosmic Redshift in the Nonexpanding Cellular Universe: Velocity-Differential Theory of Cosmic Redshift</i> , American Journal of Astronomy & Astrophysics Vol.2, No.5, pp.47-60 (2014). (Doi: http://dx.doi.org/10.11648/j.ajaa.20140205.11) Reprint
2014	Uncovered the mechanism that produces GALAXY ELLIPTICITY —an important aspect of galaxy evolution.
Galaxy evolution	C. Ranzan, <i>Ellipticity, Its Origin and Progression in Comoving Galaxies</i> , American Journal of Astronomy and Astrophysics , Vol.3, No.2, pp.12-25 (2015). Doi: http://dx.doi.org/10.11648/j.ajaa.20150302.11 Reprint
2015	Resolved the mystery of the most inexplicable structural features in modern astronomy/cosmology—the remarkable sequence of galaxy clusters along the line of sight of the famous <i>Abell85</i> cluster as well as related large-scale galaxy configurations.
Cosmic structure	C. Ranzan, <i>DSSU Validated by Redshift Theory and Structural Evidence</i> , Physics Essays Vol.28, No.4, pp455-473 (2015). Doi: http://dx.doi.org/10.4006/0836-1398-28.4.455 Reprint posted at: www.cellularuniverse.org/DSSUvalidation.htm C. Ranzan, <i>Large-Scale Cell Structure of the Dynamic Steady State Universe</i> , American Journal of Astronomy & Astrophysics Vol.4, No.6, pp65-77 (2016). Doi: http://dx.doi.org/10.11648/j.ajaa.20160406.11 Reprint
2016	Resolved Olbers' Paradox for our nonexpanding infinite Universe.
Olbers' paradox	C. Ranzan, <i>Olbers' Paradox Resolved for the Nonexpanding Infinite Universe</i> , American Journal of Astronomy and Astrophysics Vol.4, No.1, pp1-14 (2016). Doi: http://dx.doi.org/10.11648/j.ajaa.20160401.11 Reprint
2017	Disproved the Sachs-Wolfe effect and revealed the fundamental flaw in the spectral analysis of gravity wells . It was clearly and compellingly shown that the purported S-W effect rests on an utterly false premise. (The untenability of the Sachs-Wolfe effect served as a final devastating blow to the Big Bang hypothesis.)
Sachs-Wolfe effect	C. Ranzan, <i>Sachs-Wolfe Effect Disproof – The fundamental flaw in the spectral analysis of gravity wells</i> , International Journal of Astrophysics and Space Science Vol.6, No.1, pp.1-17 (2028). (Doi: http://dx.doi.org/10.11648/j.ijass.20180601.11) Reprint posted at: www.cellularuniverse.org/Directory.htm

2018	Discovered the mechanism of gamma ray production by Terminal Stars (critical-state neutron stars). This breakthrough stands as the first compelling explanation of the generation of ultra-energy gamma particles and PeV-energy neutrinos, as well as the associated mechanism responsible for powering astrophysical jets .
Extreme energy	C. Ranzan, <i>Natural Mechanism for the Generation and Emission of Extreme Energy Particles</i> , Physics Essays Vol.31, No.3, pp.358-376 (2018). Doi: http://dx.doi.org/10.4006/0836-1398-31.3.358 Reprint posted at: www.cellularuniverse.org/Directory.htm
2018-2019	Discovered the natural mechanism for gravity effects, the veritable key to the revolutionary unification of gravity theory , the key to the synthesis of the primary cause and the four manifestations of gravity. Found was the one underlying Factor that unifies gravity's <i>convergent, divergent, vortex, and wave effects</i> .
Unification of gravity	C. Ranzan, <i>The Nature of Gravity –How one factor unifies gravity's convergent, divergent, vortex, and wave effects</i> , International Journal of Astrophysics and Space Science Vol.6, No.5, pp.73-92 (2018). Doi: http://dx.doi.org/10.11648/j.ijass.20180605.11 Reprint posted at: www.cellularuniverse.org/Directory.htm
2019	Discovered the fundamental mechanism whereby limitless energy is extracted from nonmaterial aether . Essentially, what has been uncovered is the mechanism by which the universe perpetually regenerates its energy!
Limitless energy	C. Ranzan, <i>Nature's Supreme Mechanism for Energy Extraction from Nonmaterial Aether</i> , Infinite Energy Vol.25, Issue#144 (2019 March/April) Issue#144 (Index): http://www.infinite-energy.com/iemagazine/issue144/index.html Reprint posted at: www.cellularuniverse.org/Directory.htm
2019	Uncovered the mechanism whereby mass undergoes a total conversion to energy without the interaction of antiparticles. ... This involved original research into the natural transformation of mass energy to photonic energy .
Mass-to-energy conversion	C. Ranzan, <i>Mass-to-Energy Conversion, the Astrophysical Mechanism</i> , Journal of High Energy Physics, Gravitation and Cosmology Vol.5, No.2, pp.520-551 (2019). Doi: https://doi.org/10.4236/jhepgc.2019.52030 Reprint posted at: www.cellularuniverse.org/Directory.htm
2020	As part of the ongoing research into DSSU theory, a compelling explanation of the cause of galaxy rotation was developed.
Cause of galaxy rotation	C. Ranzan, <i>Natural Cause of Galaxy Rotation</i> , American Journal of Astronomy and Astrophysics Vol.8, No.2, pp19-29 (2020). (Doi: http://dx.doi.org/10.11648/j.ajaa.20200802.12) Reprint posted at: www.cellularuniverse.org/Directory.htm
2020	Extended the earlier research into the Universe's source energy identified as the Blueshifting of radiation —described as Nature's fundamental energy amplification process .
Universe's source energy	C. Ranzan, ... <i>Energy Generation via Velocity Differential Blueshift</i> , Physics Essays Vol.33, No.3 pp289-298 (Sept 2020). Doi: http://dx.doi.org/10.4006/0836-1398-33.3.289 Reprint posted at: www.cellularuniverse.org/Directory.htm

2021	Discovered the <i>conservation of energy mechanism</i> pertaining to our Universe. An unprecedented development in the long history of cosmology; it makes the DSSU the first proper scientific theory of the Universe.
Cosmic energy conservation	C. Ranzan, ... <i>Cosmic-Scale Conservation of Energy</i> , Physics Essays Vol.34, No.3, pp332-340 (Sept 2021). Doi: http://dx.doi.org/10.4006/0836-1398-34.3.332 Reprint posted at: www.cellularuniverse.org/Directory.htm

Note: Reprints of articles are available at www.CellularUniverse.org/

Conrad Ranzan is the creator and operator of the cosmology/physics website www.CellularUniverse.org devoted to presenting the extensive research into DSSU theory.

Truth-seeking is the essence of human dignity.

–Germar Rudolf (imprisoned in Germany for his historical research)

The only meaningful life is one grounded in rational discourse.

–Immanuel Kant