

Venkatram Harish Belvadi

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EDUCATION

Master of Science	St Philomena's College, University of Mysore — June 2016
<i>Major</i>	Physics, specialising in solid state physics — 83%
Membership	Associate Member of the Institute of Physics (IOP) , London.
Bachelor of Science	Yuvaraja's College, University of Mysore — July 2014
<i>Majors</i>	Physical Sciences (physics, mathematics and computer science)
<i>Minors</i>	English, French, Indian constitution and Environmental science
Schooling	CISCE, Acharya Vidya Kula — March 2009
<i>Subjects</i>	Physics, Mathematics, Chemistry, Biology, Geography, History, Sanskrit, Environmental Studies, English language, English literature (including one Shakespeare and one abridged text), Civic studies, Social work and productivity, and Art (with two papers: pencil sketching and water colours)

WORK AND INTERESTS

Physics

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| <i>Current</i> | <ul style="list-style-type: none">- Researching quantum de Finetti theorem under Dr Swarnamala Sirsi at Yuvaraja's College, Mysore.- Writing a two-volume physics textbook and teacher's resource for secondary schools (sixth form) for the Regional Institute of Education, India.- Teaching a postgraduate specialisation course on X-ray diffraction and semiconductor physics at Yuvaraja's College, University of Mysore.- Assisted in designing the postgraduate curriculum for experimental solid state physics and C programming for Yuvaraja's College to be used from the academic year 2018–2019 onwards; also wrote the practical course handbook for C programming for said course.- Interested in astrophysics, cosmology, astro-particle and high energy physics. |
| <i>Past</i> | <ul style="list-style-type: none">- Reading project on R Coronae Borealis stars under the guidance of Dr Gajendra Pandey at the Indian Institute of Astrophysics.- Taught postgraduate papers on advanced classical electrodynamics and small oscillations at Yuvaraja's College, University of Mysore.- Taught high school physics for the Edexcel International Advanced Level curriculum at The Learning Curve International School.- Taught high school mathematics and further pure mathematics for the IGCSE curriculum and statistics for the International Advanced Level curriculum at The Learning Curve International School. |



Lecture notes and handouts from the above courses can be found at vhbelvadi.com/notes.

Pastimes

- Writing*
- Founded a physics learning website with academic and popular science articles to help the layperson learn physics regardless of their mathematical background.
 - Regularly write essays on science, technology and society on my personal website
- Art*
- Published two photo books available for purchase on Amazon: the first, called **Visions**, is a collection of my work over the years 2013–2015 making up the first volume of what I plan to make a regular series; the other, called **Mountain roads**, is a black-and-white collection covering the mountains of southwest India.
- 'Visions' can be bought at goo.gl/bvhKhj and 'Mountain roads' is for sale at goo.gl/VcLF8X.
- Directed short films (four low-budget works, one selected to feature on IMDb, with others currently in consideration for film festivals across India and the US)
 - Classical music composition (non-commercially, as a hobby)
 - Occasionally play the violin
- Learning*
- Fairly good at french (French government-approved DELF A1 equivalent from the Mysore chapter of the Alliance Française de Bangalore); currently looking to pursue A2 and beyond.
 - Freelance web design and coding (built three websites including one for an International School at tlcschoolindia.com)
 - Self-teaching iOS application development with Swift

ACHIEVEMENTS AND PARTICIPATIONS

- Nominated for the Jawaharlal Nehru National Award for Creative Writing.
- Completed Karnataka State Higher Grade Drawing Examination with First Class.
- Brown belt in Karate (level 8) in the Okinawa Shorin-Ryu Karate-Do.
- Recognised as a **Distinguished child possessing extraordinary talent** in the All-India Talent Search Examination.
- Completed a **2D Animation** course from *AniMaster*, USA.
- Scrabble player, ranked 10th by the **All-India Scrabble Association**.
- Participated in an **Adventure and Leadership camp** (trek in the Western Ghats region).
- Frank Anthony Memorial **All-India ICSE debate** finalist.
- Winner of the **state-level SDM debate** competition for postgraduate students.
- Attended several science workshops, seminars, conferences specific to physics, at various levels.
- (Was) part of the **U-19 state-level basket ball** Mysore University team, secured 3rd rank in state.
- **Participated in, and won**, numerous competitions: drawing/painting, mono-acting, debates, elocutions, Academic and Aptitude Tests, spelling bee, quizzes etc. at state and national levels.

REFERENCES

Dr Swarnamala Sirsi Professor of physics
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