

A translation of <https://campanitasdefe.com/presentacion/>

Dear Friends,

Welcome to the blog *Campanitas de Fe (Little Bells of Faith)*! Here there are a series of reflections about my research *From Modern Science to the Love of God* or *From Science to Faith*, which include an unexpected collection of *poems-songs* that complement and enrich the themes explored through science.

I am Colombian, educated at *Universidad de los Andes* in *Bogotá* and at the *Massachusetts Institute of Technology* in *Cambridge, United States*, and from 1986 to 2021 I was a professor of *hydrology*, the science of *water*, at the *University of California, Davis*.

I wrote the *books The Fig Tree & The Bell, The Hypotenuse* and *Treasures Inside the Bell*, and based on them, I have shared for years a *seminar class Chaos, Complexity & Christianity* — now a part of the *Master's Program in Science and Faith* at *Ateneo Pontificio Regina Apostolorum* in *Rome* — and multiple related *lectures* in various forums, both in *English* and in *Spanish*.



The name of the blog, *Campanitas de Fe (Little Bells of Faith)*, reflects beautiful scientific discoveries that came to me, which show that the *three-dimensional circular Gaussian bell* — like one that announces a service in a *Catholic Church* — is composed of a plethora of beautiful *symmetrical rosettes*. These are the *treasures* described on my third named book, as illustrated by the “*flower*” displayed on all blog entries, proclaiming: *¡Se abrió el capullo! (The bud has opened!)*. As you can see once you read on, each blog entry is adorned with beautiful patterns found within the *bell*.

For years I have dreamed that the *compositions* in these *little bells* would sound truly beautiful, professionally arranged, so that we may *Sing to the Lord a new song*, as expressed, for example, in *Psalms 96* and *98*. To this end, I have hoped for the *songs* to be performed by a great band that, as will be explained, shall be called *Shanti Setú/Puente de Paz* or *Bridge of Peace* in Sanskrit. Upon entering the blog, you will notice that this *good dream* is already alive, as the *songs* have been gradually refined under the musical direction of the great *Cuban* musician *Lázaro Alemán López*.

As you will notice also, various *songs* (the vast majority in Spanish) include recordings of *my own* voice — mostly a cappella — and animations of their lyrics, which can be found on the *Puente de Paz* (*Bridge of Peace*) YouTube channel. However, not all *compositions* appear in the blog in the same way, as some *little bells* have titles that include the musical symbols ♪ or ♪♫. While ♪ indicates that an entry of the blog includes a *song* that features my own *singing* over a good instrumental track — though still in a preliminary form — the presence of ♪♫ highlights *songs* that have been professionally produced, beautifully arranged, and performed by skilled singers who, unlike *me*, truly know their craft. These latter *songs* are also found on the *Puente de Paz* channel in two playlists: *Puente de Paz* (“to listen dreaming”) and *Shanti Setú* (“to dance thinking”), and are distinguished from other videos on the channel by sharing the title format *Puente de Paz: X = Y*. Such a notation was chosen because, as explained in various *little bells*, the *cross*, when equated to the *silhouette* of the crucified, defines geometrically *Jesus*, the *Prince of Peace*.

I pray to *God* that these writings and their songs — which became a blog given the vision of the *godfather* of these *Little Bells of Faith*, the great *Colombian* preacher *Fray Nelson Medina* — would be useful to its readers and listeners. It is certainly an undeserved honor for me to attempt to bring a little bit of *faith* and *rhythm* to our turbulent world, inviting people to the *Love of God* through *Modern Science*.

With a warm embrace in *Jesus* and *Mary*,

carlos

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Davis, October 7, 2017

Memorial of Our Lady of the Rosary

Revised, Davis, December 7, 2024

On the eve of Memorial of the Immaculate Conception of the Virgin Mary



NOTES:

1. The songs in the blog are adorned either by a *hummingbird* or by the *Sacred Heart* shown here. They were drawn by the great *Colombian* artist and good friend *Fernando Duarte* ("*duartecito*"), who also designed the beautiful covers of my *books* and the charming little *characters* that illustrate my parable *The Hypotenuse*.
2. So that the reader can navigate the blog efficiently, the *Organization* page contains a classification of the *little bells* by topic.
3. Some of the songs in these *little bells* were inspired by existing melodies, which reflects both my musical tastes and my own limitations. I understand that these cannot be performed as such, but I include them a cappella — with all due respect and acknowledgment — so that my readers can imagine how they might sound.
4. Three articles referring to my work *From Modern Science to the Love of God*, as shared in my class *Chaos, Complexity and Christianity* at *Ateneo Pontificio Regina Apostolorum in Rome*, may be found on my web site, under the following titles: *On the Nature of Equilibrium*, *Faith Lessons from Chaotic Fig Trees* and *On the Unitive Art of the Holy Trinity*. An outline of a shorter version of that Roman class is *here*.
5. A series of three lectures that explain the same message *From Science to Faith* on this blog can be found *here*, as I shared them in 2013 under the title *The Key Role of Science in the New Evangelization*. There, in addition to the videos, you will also find the presentation slides and scripts of the talks.
6. An interview about my work, in Spanish, can be heard *here*.