

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](#)**.