



# Humans That Drove the Computer Revolution

Presented by: Jim Ingraham

**Mondays: April 3 and 10, 2023**  
**9:30 a.m.–12 noon**

805-967-6030  
vistas@vistaslifelonglearning.org

*Bethany Congregational Church, 556 N. Hope Avenue, Santa Barbara*



The revolutions in invention that support the technology we take for granted in our lives today are at the nexus of human vision for what might be and the reality of what's possible at that snapshot in time. How did the technology in our hands today come into being? This course will chronicle the characters involved in the development of the technologies that have formed our modern age. Who were they? How do they invent, instigate, and collaborate to build the capabilities we enjoy in our computers, cell phones, iPads, and almost every appliance we touch and use today?



**PLEASE REVIEW THE STATEMENT ON THE OTHER SIDE OF THIS FLYER REGARDING VACCINATION REQUIREMENTS.**

**Preferred registration deadline\* : March 27, 2023**

\*Early enrollment helps us with our planning; also, those who register by the preferred deadline will be given priority in case of over-enrollment.

## **Enrollment form: Humans That Drove Computer Revolution**

Mondays, April 3 and 10, 2023

**VISTAS members \$30; non-members \$45**

➤ **EITHER pay online** on our website by secure credit card through PayPal:  
<https://www.vistaslifelonglearning.org/current-courses>

➤ **OR mail this form** and your check to: VISTAS Lifelong Learning, Inc.  
P.O. Box 23228, Santa Barbara CA 93121

Number of persons \_\_\_\_\_ \$ \_\_\_\_\_ Check # \_\_\_\_\_

Name(s): \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

*It is understood that attendance is limited to those who are fully vaccinated against Covid-19.*



**Jim Ingraham** has a BS and MBA from Worcester Polytechnic Institute in Worcester MA and graduate work at Singularity University, Thunderbird School of International Management, and Kellogg. Jim has worked in science and technology development fields for over 47 years. His skills include chemistry, electronics manufacturing, airborne UAV sensors, space-based telescopes, and infrared detectors. His jobs have included Director of Pro Photography at Polaroid Corporation, Director of New Product Introduction Celestica, CFO and Head of Rapid Prototyping at MIT Lincoln Laboratory, and Director and Technical Lead for Operations at Raytheon Vision Systems. Jim is currently still working for Raytheon Vision Systems in Goleta.

### IMPORTANT COVID-19 POLICY

The health and safety of our attendees and their families are of utmost importance to us. **Accordingly, we are limiting attendance to those who are fully vaccinated.** Proof of vaccinations and boosters (digital Covid-19 Vaccination Card or a photo of your printed card) must be sent to our business manager via email ([vistas@vistaslifelonglearning.org](mailto:vistas@vistaslifelonglearning.org)) or text (805-967-6030). Participants may also be asked to show vaccination status on the first day of each course in case our records are incomplete. This needs to be done only once—your proof of vaccination will remain valid for all VISTAS events. Face masks are recommended, though not currently required, at VISTAS in-person, indoor gatherings.

## VISTAS Winter/Spring 2023 Calendar

**SUBJECT TO CHANGE; for up-to-date information, visit our website ([VistasLifelongLearning.org](http://VistasLifelongLearning.org)) frequently!**

Course / Event	Date(s)	Time	Venue
VISTAS Winter Social	Sunday, February 5	1:30 pm	Music Academy of the West
Monday Nonfiction Book Club / Dawn McGrew	4th Monday monthly	1:30 pm	Via Zoom
Four Great Ages of Western Civiliz. / Jim Hemmer	Wed. Jan. 11, 18, 25, Feb. 1	9:30 am	Bethany Congreg. Church
The Creative Artist in Opera / Simon Williams	Jan. 17, Jan. 24, Jan. 30, Feb. 7	9:30 am	Music Academy of the West
Sleep, Consciousness, and Non-Ordinary States	Thurs. Jan. 26	9:30 am	Bethany Congreg. Church
Criminal Law and Procedure / Patrick McKinley	Mon. Feb. 6, 13, 20, 27	9:30 am	Bethany Congreg. Church
Rodgers and Hammerstein / Bob Weinman	Tues. Feb. 14, 21, and 28	9:30 am	Music Academy of the West
Short Story Discussion Group Sect. 1 / Denny Klos	Wed. March 1, 8, 15, 22	1:00 pm	Bethany Congreg. Church
Short Story Discussion Group Sect. 2 / Denny Klos	Thurs. March 2, 9, 16, 23	1:00 pm	Valle Verde Social Room
Sending Smallpox into History / Bee Bloeser	Mon. March 6	9:30 am	Bethany Congreg. Church
Shakespearean History Plays / Mark Rose	Tues. March 7, 14, 21, 28	9:30 am	Montecito Covenant Church
The Allure of Fascism Here and Abroad / D. Bisno	Thurs. Mar. 23, 30, Apr. 6, 13	9:30 am	Music Academy of the West
<b>Humans That Drove Computer Revol. / J. Ingraham</b>	<b>Mon. April 3, 10</b>	<b>9:30 am</b>	<b>Bethany Congreg. Church</b>
Heroes and Rogues, Fifth Series / Gerry Corrigan	POSTPONED — Information about rescheduled dates to come later		
Joseph Haydn: From Court to City / Derek Katz	Weds. May 10, 17, 24	9:30 am	Music Academy of the West
The U.S. and China: AI Superpowers / Jim Hemmer	Thurs. May 11	9:30 am	Bethany Congreg. Church