



CPAM Leadership Seminar

Mathematics for Human Flourishing & Building Human Themes into Your Teaching of K-12 Math *Francis Su, Harvey Mudd College*

Wednesday, April 1, 2020 / 1:30 PM - 4:30 PM
Regency D, Hyatt Regency McCormick Place

Don't miss this opportunity to spend the afternoon prior to the opening of the NCTM Annual Meeting in Chicago with your CPAM colleagues and **Francis Su**, a nationally known mathematician, author, and speaker with a passion for teaching and popularizing mathematics.

This seminar is the sixteenth in the series of CPAM Leadership Seminars and is made possible by a grant from Texas Instruments. CPAM gratefully acknowledges the support of TI.

Check-in begins at 1:00 PM with the program starting promptly at 1:30 PM. Refreshments will be provided. Visit CPAM's Website at <http://www.cpam.org> for the latest information on this session and for additional copies of the registration form. **Registrations must be received by March 20, 2020.**

Part 1: **Mathematics for Human Flourishing** . . . What is mathematics, who is it for, and why should anyone learn it? There are better answers to this question than the ones we've been giving. If you are passionate about anything in your life, it's because it meets some deep human need. I believe the same about math – that in order for students to want to learn mathematics, we have to show them how it connects to their basic human desires – such as a desire for truth, or for beauty, or for freedom, or for community. I'll explain how mathematical thinking is part of what it means to be a human being, and builds virtues that serve us well no matter where our life takes us. A prison inmate has helped me see this more clearly than ever before.

Part 2: In the second part of our session, **Building Human Themes into your Teaching of Math**, we'll explore practical ways to build human themes into the teaching of mathematics. Students will be more motivated to learn mathematics if you appeal to their basic human desires. Participants will develop plans for their own classes.

Dr. Francis Edward Su is the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College and past president of the Mathematical Association of America. His research is in geometric combinatorics and applications to the social sciences and he has co-authored numerous papers with undergraduates. From the Mathematical Association of America, he received the 2018 Halmos-Ford award for writing and the 2013 Haimo Award for distinguished teaching. He authors the popular Math Fun Facts website, <https://math.hmc.edu/funfacts/>, and is the creator of "MathFeed", the math news app. His new book, **Mathematics for Human Flourishing**, paints an inclusive picture of what mathematics is, who it is for, and why anyone should learn it.

Registration can be made via PayPal by using the link to CPAM's website, <http://www.cpam.org/seminarPayPalRegistration.html>, or by completing the registration form below and mailing it with a check to Denise I. Griffiths, CPAM Leadership Seminar Coordinator.

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CPAM Leadership Seminar Registration Form

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Francis Su's session will be open to a limited number of non-awardees to **attend as guests of attending CPAM members. A CPAM member may bring only one guest.** Both the CPAM member and the guest must register on the same form.

Check the appropriate box(es).

- \$15 . . CPAM member registration fee
- \$45 . . Nonmember registration fee for awardees (includes membership for this school year)
- \$45 . . Guest registration fee

AWARDEE INFORMATION - *Please print legibly.*

Name _____ First Name/Nickname for Badge _____

Year & State of Award _____ For 1990-2018, circle elementary or secondary.

Complete home address _____

Home or cell phone/area code _____

School phone/area code _____

E-mail address _____

Are you currently in the classroom? If so, give grade level. _____

Are you currently in administration? If so, indicate what capacity. _____

Are you retired? _____

GUEST INFORMATION - *Please print legibly.*

Name _____ First Name/Nickname for Badge _____

Home or cell phone/area code _____

E-mail address _____

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**Please make the check(s) payable to CPAM, Inc. Mail the check(s) and a copy of the completed registration form to**

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CPAM Leadership Seminar  
2705 Marklyn Drive  
Wilmington, DE 19810

Tel: 302-475-7961  
Fax: 302-475-7971  
E-mail: dgriffit@udel.edu

Confirmations will be e-mailed upon receipt of registration. Requests for refunds after the registration deadline cannot be honored.

***Registrations must be received by March 20, 2020.***