

2019 IT Fellows Selection Committee

Committee Members: Ning Cai, Max Costas, Christina Fraguli, Massimo Francescetti, Pramod Viswanath, Hiroshige Yamamoto, Wei Yu.

Chair: Antonia Maria Tulino.

Report by the Chair to the IT Society Board of Governors: July 3, 2019.

The Committee provided IEEE with a rank ordering of the 8 candidates and for each candidate a detailed narrative describing the candidate's outstanding contributions by June 15 (one day before the deadline).

Committee Members were asked to partition the candidates into 3 tiers, a top, middle, and low tier. For five of the candidates, there was one Committee Member having a conflict of interest. The Chair collected the partitions and represented each candidate via a [top, middle, low] score histogram. The candidate histograms were then ordered lexicographically and shared with the Committee. Scores in the lexicographic range [7, 0, 0]-[4,3,0] and in the range [1, 2, 5]-[0, 4, 4] represented candidates for whom we achieved immediate consensus. Scores in the lexicographic range [3, 4, 1]-[1,4,2] represented candidates we needed to discuss and to understand better.

This is the process Robert Calderbank introduced when chairing the Fellows Committee for our society and it was later adopted by the subsequent chairs. The objective is to help consensus emerge quietly. This is the process Robert Calderbank introduced when chairing the Fellows Committee for our society and it was later adopted by the subsequent chairs. The objective is to help consensus emerge quietly

We then organized email and skype-call discussions of the candidates. In the first phase of the email discussion, each candidate in the middle group was assigned two Committee Members who drafted and circulated a succinct description of the candidate's outstanding contributions. The same process was then initiated for candidates in the upper and lower ranges. After the discussion was completed, using the descriptions provided by the Committee Members, we drafted a narrative for each candidate that has been examined and later approved by the Committee Members.

On June 6, the Committee Members assigned numerical scores and discussed, one more time, the narratives provided to IEEE.

On June 15, approved scores and narratives were submitted.

Respectfully submitted

Antonia Maria Tulino