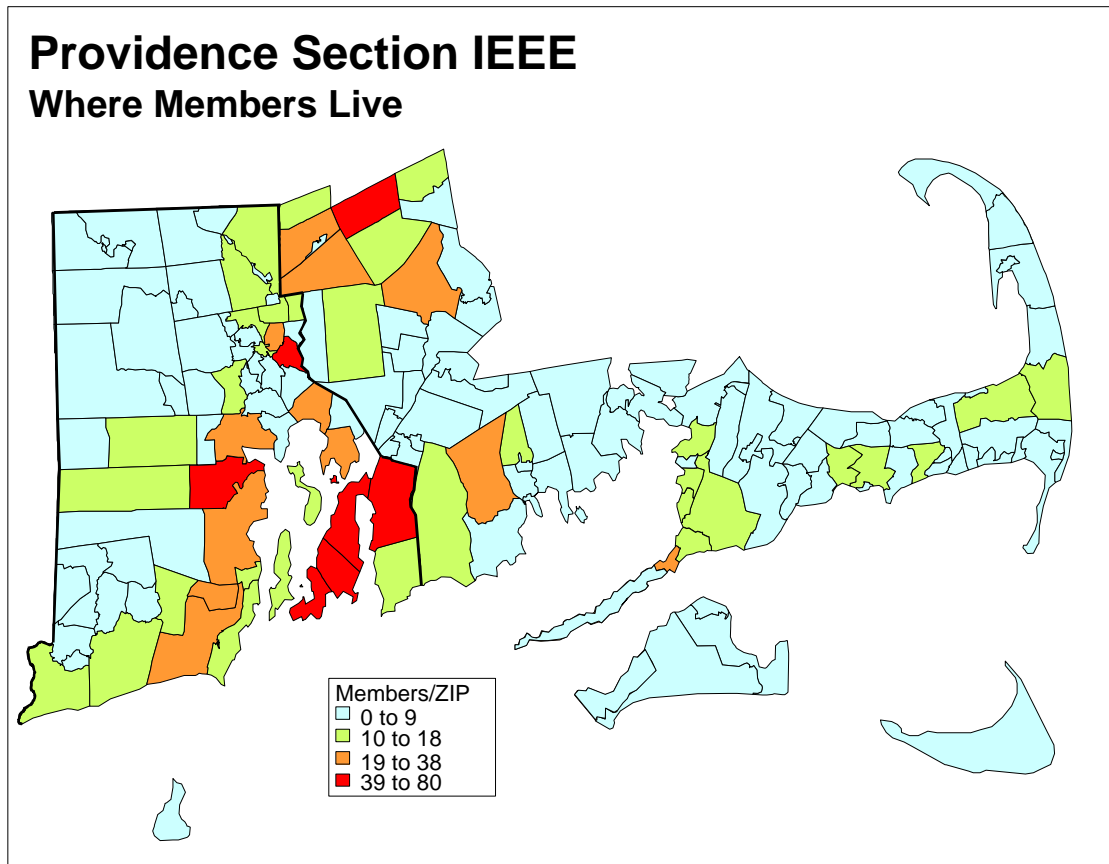


Demographics of the Providence Section, IEEE



Where do the Providence Section Members Live? A number of maps are included in this report to visually present where members live. Maps are included for overall membership and the more dominant technical interest areas.

The Providence Section has 1,519 members. Approximately 70% of them report one or more Technical Interest Profile (TIP) Codes with their IEEE membership renewals. Data for this report was extracted from the IEEE membership database.

Half of all Providence Section members reside in one the following locations:

<u>City of Residence</u>	<u>Number</u>	<u>City of Residence</u>	<u>Number</u>
Attleboro, MA	38	North Dartmouth, MA	38
Barrington, RI	25	North Kingstown, RI	31
Bristol, RI	36	Portsmouth, RI	80
East Greenwich, RI	42	Providence, RI	75
Kingston, RI	38	Taunton, MA	23
Mansfield, MA	43	Tiverton, RI	41
Middletown, RI	56	Wakefield, RI	22
Newport, RI	43	Warwick, RI	33
North Attleboro, MA	31	Woods Hole, MA	24

The Technical Interest Profile Codes reveal the subject areas in which our members work. Half of all Providence Section members report a Technical Interest Code in one of the following areas:

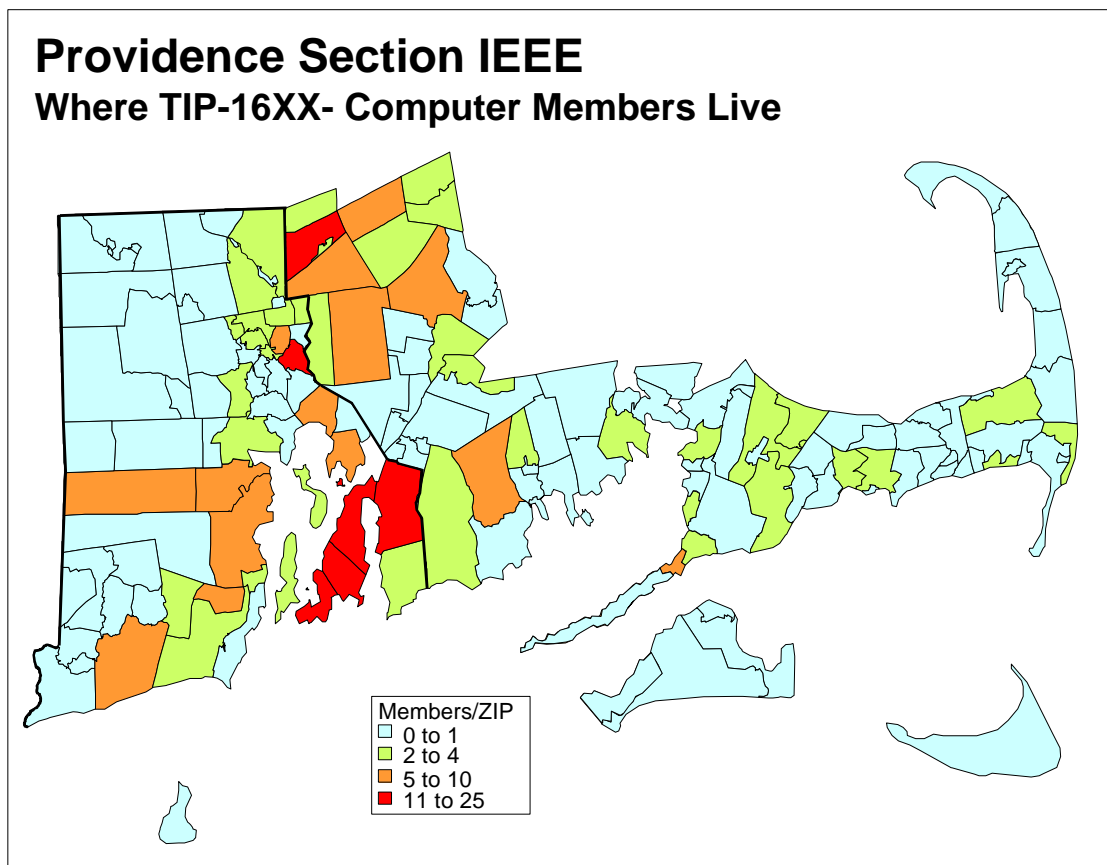
<u>TIP Code</u>	<u>Technical Interest Area</u>	<u>Number</u>
1600	Computer	334
100	Signal Processing	174
1400	Engineering Management	131
1900	Communications	120
3100	Power Engineering	114
1000	Aerospace and Electronic Systems	109
400	Circuits and Systems	86

A map is included for each of these seven technical interest codes. Interval ranges were chosen to include as nearly as possible, 25% of each population to aid in visualizing where each quartile of the population lives.

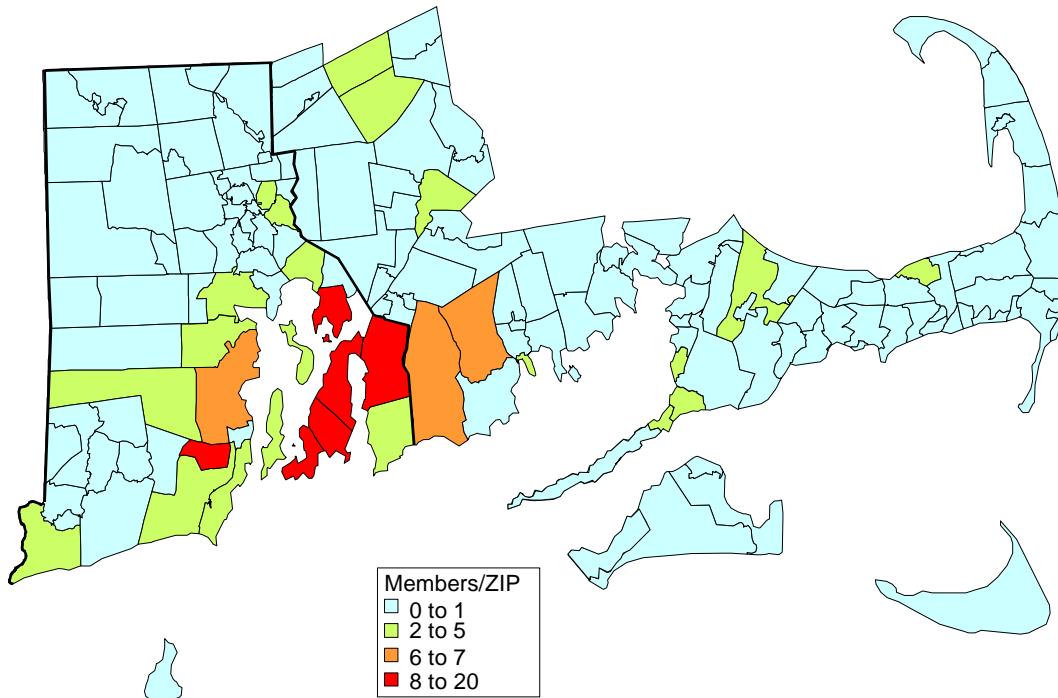
The Providence Section is defined by the following list of zip codes:

02031, 02048, 02334 –02335, 02356-02357, 02375, 02532-02537, 02539-02557, 02559-02565, 02568-02575, 02601-02952.

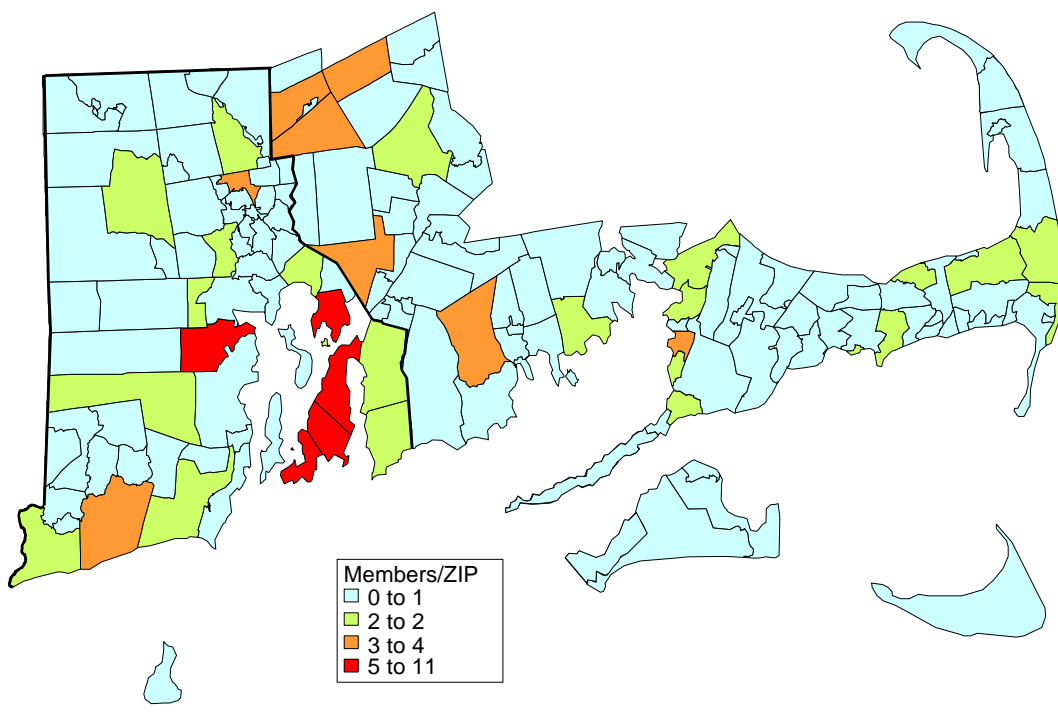
This report was prepared by Harold B. Belson, Vice Chairman, Providence Section in December 1999. Questions or comments may be referred to him at h.belson@ieee.org.



Providence Section IEEE Where TIP-1XX-Signal Processing Members Live

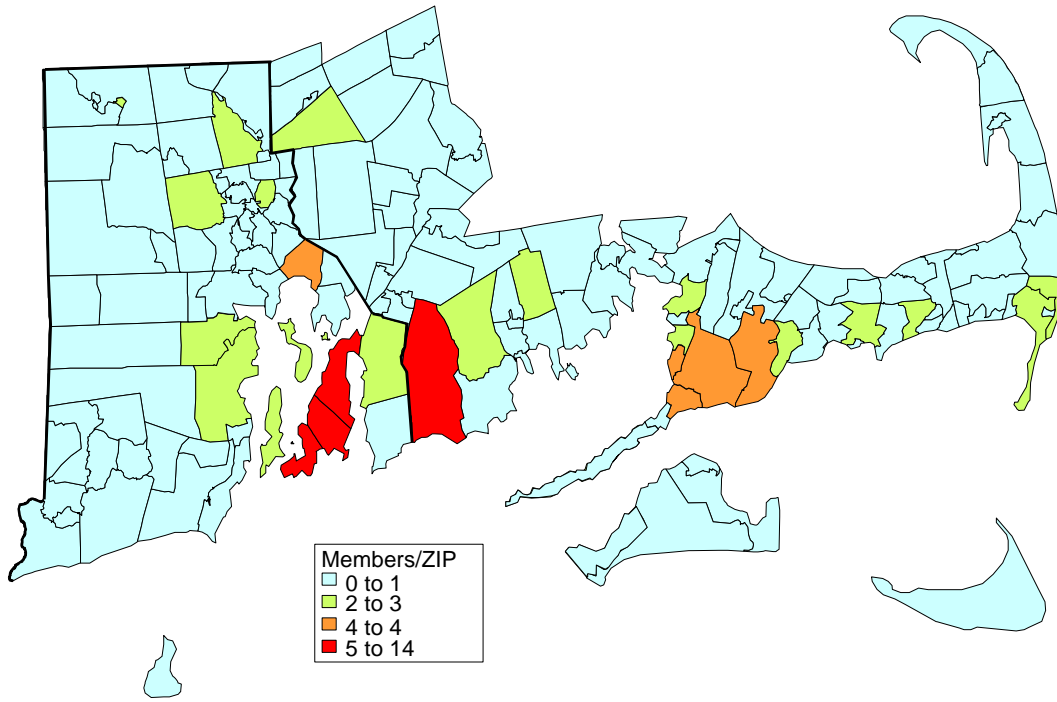


Providence Section IEEE Where TIP-14XX-Engineering Management Members Live



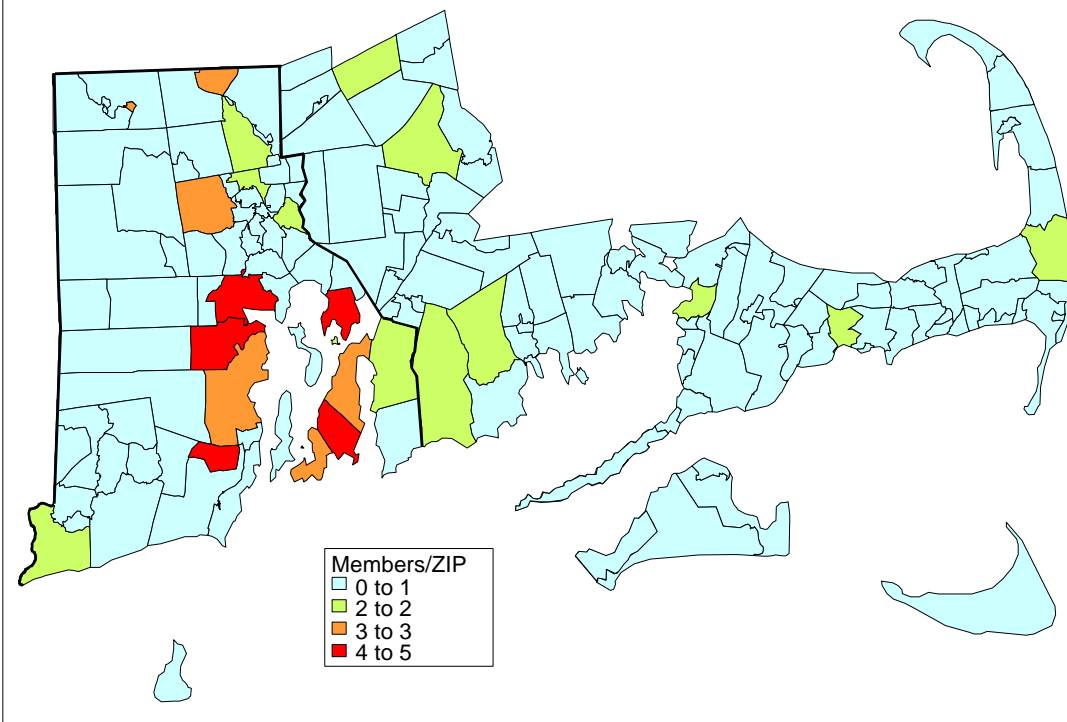
Providence Section IEEE

Where TIP-10XX-Aerospace & Electronics Members Live



Providence Section IEEE

Where TIP-4XX-Circuits & Systems Members Live



Technical Interest Profile (TIP) Codes

A summary of the Technical Interest Profile (TIP) Codes of all Providence Section members is listed below. Each hundred group summarizes all sub categories within that group.

The number of members in any TIP is not mutually exclusive from another group. However a member is only counted once if they list more than one interest within a hundred group.

<u>TIP</u>	<u>Technical Interest Area</u>	<u>Number</u>
100	Signal Processing	174
200	Broadcast Technology	30
300	Antennas and Propagation	45
400	Circuits and Systems	86
500	Nuclear and Plasma Sciences	12
600	Vehicular Technology	30
700	Reliability	30
800	Consumer Electronics	24
900	Instrumentation and Measurement	27
1000	Aerospace and Electronic Systems	109
1100	Neural Networks	22
1200	Information Theory	40
1300	Industrial Electronics	72
1400	Engineering Management	131
1500	Electron Devices	55
1600	Computer	334
1700	Microwave Theory and Techniques	23
1800	Engineering in Medicine and Biology	38
1900	Communications	120
2000	Ultrasonics, Ferroelectrics, and Frequency Control	16
2100	Components, Packaging, and Manufacturing Technology	44
2200	Oceanic Engineering	70
2300	Control Systems	55
2400	Robotics and Automation	18
2500	Education	31
2600	Professional Communication	24
2700	Electromagnetic Compatibility	10
2800	Systems, Man, and Cybernetics	30
2900	Geoscience and Remote Sensing	26
3000	Social Implications of Technology	14
3100	Power Engineering	114
3200	Dielectrics and Electrical Insulation	19
3300	Magnetics	12
3400	Industry Applications	71
3500	Power Electronics	16
3600	Lasers and Electro-Optics	26
3700	Solid-State Circuits	48
3900	Interdisciplinary and New Activities	34
4000	Environment, Health and Safety	3