

# IEEE Biometrics Council Strategic Plan 2019-2024

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# 1. Overview

Biometrics is the science of establishing a human identity based on the physical, behavioral, and physiological attributes of an individual. The mission of the IEEE Biometrics Council is to advance, promote and coordinate work in the field of biometric technology and applications throughout IEEE, and to expand IEEE's role in this interdisciplinary field.

The field of interest of the council is the theory, design, and application of biometric characterization of human beings, based on physiological and/or behavioral features and traits, in particular for identification, identity verification, authentication, encryption, recognition and medical diagnosis.

The council promotes technical activities, sponsors technical meetings and sessions, publishes periodicals, promotes educational activities, develops standards, and engages in any other activity defined within its fields of interest.

This Strategic Plan is organized into two parts, the actual plan document, and appendices. The core document includes all background information that might be relevant to new members of the council governing body or any individual who is interested in understanding the strategy of the Biometrics Council. The core information is also provided for individuals who may require information in support of the strategic planning process. It is the intention that this information remains somewhat static.

The appendices include information that are Council confidential, detail-oriented, and will change frequently. These are available only to the Council. It includes the operational plan, outcomes of the deliberations from SWOT analysis, and reflections on the performance of the operational plan from the last strategic plan as listed below.

Appendix	Title	Description
Appendix A	Operational Plan	Specifies activities, responsibilities and timelines over the coming year.
Appendix B	Relation to TAB and IEEE	Provides a description of the relationship between council and TAB and IEEE strategies
Appendix C	Council Strategic Planning Process	Provides a decryption of the process used to arrive at this plan document.
Appendix D	SWOT analysis	Strengths, Weaknesses, Opportunities, Threats
Appendix E	Progress on last plan	Taking stock of actions outlined in last strategic plan

Table 1. Summary of Appendices

**Vision:**

Be the leading and driving force within and outside the IEEE for the advancement and sustainability of the field of biometrics.

**Mission:**

1. To serve the members of our member societies and the worldwide biometrics technical community through the organization and support of high-quality conferences, workshops, and journals.
2. To support educational activities that benefit new professionals in this area as well as experienced practitioners and researchers.
3. To provide a mechanism to disseminate technical content through the first ever virtual journal from IEEE.
4. To collaborate with our member societies in order to promote biometrics technology that impacts every person in the world in one form or the other.

**Short Term Strategic Goals (1-2 years)**

1. Foster diversity and inclusion of volunteers from all parts of the world, race, and gender, especially young professionals.
2. Increase member outreach across geographic regions through the growth of ISBA, summer/winter schools, and an expansion of the Distinguished Speaker Program and by increasing the footprint on social networking media to increase awareness.
3. Redesign the IEEE Biometrics Compendium in light of the new IEEE Transactions on Biometrics, Behavior, and Identity Science.
4. Revise council by-laws to position the council for the next phase of growth.
5. Establish collaborations with industrial organizations and increase industrial volunteer participation in council activities.

**Long Term Strategic Goals (5 years)**

1. Serve the worldwide community interested in biometrics technology and applications through high-quality conferences and workshops.
2. Advance the science and technology of biometrics for the benefit of humanity and enhance IEEE's visibility in the field of biometrics.
3. Strengthen educational activities to create and nurture the current and next generation of biometrics researchers.
4. Serve the worldwide community interested in biometrics technology and applications by supporting the professional practice of the biometrics technical community.
5. Enhance international visibility and connection of the council through honors and awards.