2025/26 ANNUAL REPORT TO IFIP

BRAZILIAN COMPUTER SOCIETY (SBC)

An Overview of SBC

Founded in 1978, the Brazilian Computer Society (Sociedade Brasileira de Computação – SBC) is a non-profit scientific society that brings together students, educators, researchers, professionals, and computing enthusiasts throughout Brazil. Its mission is to foster access to information and culture through computing, encourage research and education in computing, promote digital inclusion, and contribute to the education of computing professionals committed to social responsibility.

SBC plays an important role in the development of computing as a scientific discipline and profession in Brazil. Its activities encompass research, education, scientific publications, professional development, public policy, scientific competitions, and cooperation with national and international organizations.

The Society has a broad organizational structure that reflects the diversity of the computing field. Its thematic groups are organized into five broad areas and include Special Commissions and Interest Groups that promote scientific, technical, educational, and policy-related activities in their respective fields. These groups organize many of Brazil's major scientific conferences in computing and provide important forums for interaction among researchers, students, professionals, government, and industry.

SBC also has a strong geographical presence throughout Brazil. Its 25 Regional Chapters cover the country, support regional scientific and educational activities, disseminate SBC initiatives, and strengthen connections between the Society and universities and research institutions.

At the end of 2025, SBC had 6,191 members, including researchers, faculty members, students, professionals, and institutional members.

SBC's Vision / Mission Statement

SBC's activities are guided by a broad mission that combines scientific, educational, professional, and societal objectives. The Society works to encourage teaching, research, and development in computing and information technology in Brazil; foster critical thinking and professional responsibility within the computing community; contribute to public policies affecting computing and technological development; disseminate scientific knowledge through conferences, meetings, publications, and other activities; and contribute to the scientific and technological development of the country.

Key Activities in the Reported Period

This report summarizes SBC's main activities from July 2025 to June 2026. During this period, the Society pursued a broad set of initiatives in computing education, science and technology, open science, inclusion and diversity, public policy, scientific communication, institutional cooperation, and the modernization of its digital infrastructure.

Computing Education

One of the most important achievements of the period was the launch of the Professional Master's Program in Computing Education (ProfComp). The program brings together a nationwide network of 16 higher education institutions distributed across all regions of Brazil and addresses one of the country's major educational challenges: preparing qualified teachers to teach computing in basic education.

The initiative represents an important step in SBC's longstanding efforts to establish computing as an essential component of basic education in Brazil. By connecting universities across the country in a common graduate program, ProfComp contributes not only to teacher education but also to the dissemination of computing education and to Brazil's broader scientific, technological, and social development.

SBC continued to support initiatives aimed at attracting young people to computing and broadening participation in the field. These activities included scientific competitions, regional schools, and initiatives associated with the Society's Special Commissions. Particular attention has also been given to increasing the participation of girls and other groups traditionally underrepresented in computing.

Science, Technology, and Open Science

SBC continued to promote scientific research and the dissemination of computing knowledge through its conferences, journals, digital library, and open-science initiatives.

An important activity during the period was the second edition of Love Data Day Brasil, organized through SBC's Open Science Working Group. The initiative aims to raise awareness of the importance of data throughout all stages of the scientific process and to help students, professionals, and researchers develop good research-data practices. The 2025 edition mobilized 19 institutions in different regions of Brazil, illustrating SBC's ability to coordinate nationwide activities around emerging issues in scientific practice.

SBC also continued to expand its open-access scientific infrastructure. The SBC OpenLib (SOL) digital library now provides open access to more than 35,000 publications, including conference proceedings, journals, books, and other scientific material. During 2025, content hosted by SOL received more than 2.5 million views.

In July 2025, SBC launched a preprint server as part of SOL. The service allows SBC members to disseminate preliminary versions of scientific articles before peer review, expanding the Society's infrastructure for open and rapid scientific communication.

SBC's scientific journals also experienced significant growth. Submission numbers increased across the Society's journals, with the *Journal of the Brazilian Computer Society (JBCS)* reaching historically high submission levels in 2025.

Modernization of SBC's Scientific Infrastructure

Modernizing SBC's digital infrastructure is a key priority. The creation of an Extraordinary Directorate for Information Technology provided a more coordinated framework for the development and integration of institutional platforms, including SBC OpenLib, the membership and event systems, and JEMS, SBC's system for managing submissions and peer review for scientific events.

During the period, SBC continued the development and testing of JEMS 3, a new generation of the platform incorporating improvements in usability, performance, security, integration, and user support. Testing with conference organizers has provided feedback for further improvements before its full deployment.

These investments are particularly important given the scale of SBC's conference activities and the large number of researchers, reviewers, authors, and organizers who use its infrastructure each year.

Public Policy and Representation of the Computing Community

SBC continued to strengthen its role as a source of independent scientific and technical expertise in discussions concerning public policies related to computing and digital technologies.

One important area of activity was digital sovereignty. SBC participated in national discussions concerning the development and regulation of data centers in Brazil, advocating regulatory approaches that take into account the need to strengthen the country's scientific and technological infrastructure.

The Society also developed a proposal to modernize the classification of computing subareas in Brazil. The classification used by Brazilian research funding and evaluation agencies no longer adequately reflects the evolution of computing over recent decades, including the emergence of new areas and the field's increasing interdisciplinarity. The proposal was developed by a working group of experts and submitted to major Brazilian research and science agencies, including CAPES, CNPq, FINEP, and the Ministry of Science, Technology and Innovation (MCTI).

SBC also expanded its direct participation in governmental bodies responsible for digital policy. During the period, the Society participated in strategic forums associated with the National Digital Government Strategy and the National Digital Inclusion Plan,

among other initiatives. This participation provides channels for expertise from the Brazilian computing community to contribute to the formulation of national digital policies.

Inclusion, Diversity, and Equity

Inclusion and diversity continued to receive significant institutional attention. SBC's Commission for Inclusion, Diversity and Equity (CIDE) published the *2024 Demographic Overview*, providing a detailed picture of the demographic composition of the SBC community.

The study provides evidence to support policies and initiatives aimed at increasing diversity and representation in Brazilian computing. Based on these data and other identified needs, CIDE developed a 36-month Action Plan establishing concrete activities to advance inclusion, diversity, and equity within SBC.

CIDE also worked on the development of a Code of Conduct for SBC events, reinforcing the Society's commitment to creating inclusive, respectful, and safe environments for participation in its scientific activities.

Institutional and International Cooperation

SBC continued to expand its cooperation with national and international scientific and professional organizations.

The Society advanced discussions with ACM concerning the indexing of publications available through SBC OpenLib in the ACM Digital Library. Such an initiative would increase the international visibility and accessibility of scientific research published through SBC conferences and journals.

SBC also strengthened strategic partnerships with Brazilian organizations including the Brazilian National Research and Education Network (RNP) and the Brazilian Association of Science Parks and Business Incubators (ANPROTEC). Cooperation with RNP has included making digital services available to SBC members and supporting the development of SBC's digital publication infrastructure.

These initiatives form part of a broader effort to strengthen cooperation among the scientific community, government, industry, and organizations involved in research and innovation.

Scientific Events

Scientific events are one of SBC's principal mechanisms for advancing computing research, supporting scientific communities, and educating students and professionals.

Between July 2025 and June 2026, SBC was involved in 78 events, which together attracted approximately 13,000 participants across Brazil. The program included 21 scientific symposia and congresses, 16 Regional Schools, three co-organized events, 24 institutionally supported events, seven partnership events, and seven scientific competitions.

These events cover virtually all major areas of computing, including computer networks and distributed systems, cybersecurity, software engineering, databases, artificial intelligence, human-computer interaction, computer graphics, multimedia, information systems, computing education, high-performance computing, robotics, formal methods, health informatics, and other areas.

SBC's Regional Schools complement the major national conferences by offering educational and scientific activities across the country. They are particularly important for reaching students and institutions outside Brazil's largest research centers and for supporting the development of regional scientific communities.

CSBC 2025

The Society's flagship event, the 45th Congress of the Brazilian Computer Society (CSBC 2025), was held in Maceió, in the state of Alagoas. Its theme was "Digital Governance for a Sustainable Society."

The Congress attracted more than 1,850 participants and included 10 core events, 16 satellite events, and four sectoral meetings. The program brought together participants from academia, government, and industry to discuss scientific and technological developments as well as broader challenges associated with digital transformation, sustainability, and technology governance.

CSBC continues to provide an important national forum where scientific research in computing is connected with educational, professional, governmental, and societal issues.

Scientific Competitions and Talent Development

Scientific competitions are another important component of SBC's activities, particularly in developing young talent and encouraging students to pursue computing.

During the reporting period, SBC organized seven scientific competitions involving students, teachers, and researchers from across Brazil.

The 30th SBC Programming Contest reached R$1.2 million in sponsorship, reinforcing its position as one of the major programming competitions in Latin America. SBC also organized the 2025 Brazilian Final of the Programming Contest, the 2026 Programming Contest Summer School, the 2025 Olympic Week of the Brazilian Informatics Olympiad, regional programming competitions, and the second Women's Programming Contest.

Brazilian students also achieved significant results internationally. At the 2026 Latin American Programming Final, the team from the Federal University of Minas Gerais (UFMG) won the competition for the second consecutive year, and six Brazilian teams participated in the world finals.

Through these activities, SBC combines scientific competition with education, training, and opportunities for students from different regions of the country to interact with the broader computing community.

Brazilian Participation in IFIP

SBC represents Brazil in the International Federation for Information Processing (IFIP) and has a long history of participation in IFIP activities through the General Assembly, Technical Committees, Working Groups, and other initiatives.

The Brazilian Country Representative to IFIP is currently Ronaldo Alves Ferreira, who also serves as SBC's Director of Cooperation with Scientific Societies.

General Assembly

Country Representative: Ronaldo Alves Ferreira

Technical Committees

Brazilian researchers continue to participate in IFIP Technical Committees (TCs) and Working Groups (WGs), providing an important connection between SBC's scientific communities and IFIP's international activities.

During the reporting period, SBC conducted a process to renew part of its representation in IFIP and nominated new Brazilian national representatives to four Technical Committees:

- TC 2 – Software: Theory and Practice
  - Eduardo Santana de Almeida, UFBA
- TC 3 – Education
  - Sean W. M. Siqueira, Unirio
- TC 8 – Information Systems
  - Celia Ghedini Ralha, UnB
- TC 9 – ICT and Society

    - Kiev Gama, UFPE

The nominations are part of SBC's effort to strengthen Brazilian participation in IFIP and to improve the connection between SBC's national scientific communities and the corresponding international communities within IFIP. IFIP's structure requires member societies to nominate representatives to its Technical Committees, making these representatives an important institutional link between the national society and IFIP's international technical activities.

The current Brazilian national representatives in the other Technical Committees are:

- TC 1 – Foundations of Computer Science
    - Leila Ribeiro
- TC 5 – Information Technology Applications
    - Vacant
- TC 6 – Communication Systems
    - José Neuman de Souza
- TC 7 – System Modeling and Optimization
    - Edmundo de Souza e Silva
- TC 10 – Computer Systems Technology
    - Ricardo Reis
- TC 11 – Security and Privacy Protection in Information Processing Systems
    - Vacant
- TC 12 – Artificial Intelligence
    - André C. P. L. F. de Carvalho
- TC 13 – Human-Computer Interaction
    - André Pimenta Freire
- TC 14 – Entertainment Computing
    - Esteban W. G. Clua

SBC will continue to encourage Brazilian researchers to participate actively in IFIP Technical Committees and Working Groups and to explore opportunities for stronger collaboration between SBC's Special Commissions and their corresponding IFIP communities.

Reported by
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Source: SBC's Annual Report 2025 - 2026, available at
https://books-sol.sbc.org.br/index.php/sbc/catalog/book/203