

Carlos Eurico Collares

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Experience

2005 to present

GeometraBTE, São José dos Campos SP – Brazil – Technical Director

- ✓ Mechanical Structures Conceptions;
- ✓ Technical Proposals;
- ✓ Materials and Process Engineering.

1995 – 2005

Materials Engineering Consultant and Researcher

- ✓ Materials and Process Specification for Mechanical Structures;
- ✓ Research on New Sintered Materials – Federal University of Santa Catarina State.

1977 – 1995

EMBRAER, São José dos Campos SP – Brazil – Standardization and Materials Engineering Manager

- ✓ Total Quality System Implantation and Management;
- ✓ Management and Coordination of Engineering Activities;
- ✓ Qualification of Structural Aeronautical Materials;
- ✓ Failure Analysis of Materials and Manufacturing Processes;
- ✓ Technical Standardization;
- ✓ Technical Negotiations with Suppliers;
- ✓ Specification and Standardization of Materials and Manufacturing Processes for Aeronautical Parts.

1972 – 1974

VARIG, Porto Alegre RS – Brazil – Intern

- ✓ Aeronautical Hydraulic Systems Processes Detailing.

Education

2005

[DER \(Designated Engineer Representative\) of Brazil Civil Aeronautical Authority. CTA – São José dos Campos SP.](#)

1995 – 1999

MSc in Materials Sciences and Engineering
Federal University of Santa Catarina State.

1975 – 1976

Specialization in Materials Sciences
Engineering Military Institute, Rio de Janeiro

1970 – 1974

Mechanical Engineer Graduation
Federal University of Rio Grande do Sul State.

Languages

Portuguese (motherlanguage);
English (intermediate);
Italian (intermediate);

Publications

- ✓ Chawla, K.K., Collares, C.E., The Stress Strain Behavior of Aluminium/Stainless Steel Laminate Composites in Proceedings of the 1978 Internayional Conference on Composite Materials ICCM#2 TMF-AIME, New York, 1978, p.1237;
- ✓ Mesquita, C.V., Collares, C.E., Campos, V.S., Pagnano, C.A.G., Critérios de Tolerância a Defeitos em Aeronaves Obtidos Através de Análise Fratográfica em Metalurgia – ABM, vol. 39, nr. 302, jan. 1983, p.23;
- ✓ Ferraz, F.C., Campos, V.S., Collares, C.E., Measurement, Analysis and Relief of Residual Stress in 6061 Aluminium Alloy Welded Assemblies in SAE Brazil 92 Mobility Technology Conference & Exhibit, São Paulo, 1992, paper 921521 E.
- ✓ Collares, C.E., A Indústria Aeronáutica e a Engenharia de Materiais em Seminário de Atualização Tecnológica Brasileira e a Importância dos Materiais Avançados, Federal University of São Carlos SP, 1993;
- ✓ Collares, C.E., Al-Qureshi, H.A., Fredel, M.C., Klein, A.N., Cold Forging of Sintered Plain Iron and Fe-3,5%Ni Alloy Preforms in Proceedings of the She Met 2003, Jordanstown, U.K., 2003, p.389.

São José dos Campos (SP), 06 september 2007.