

Dr. Csaba Farkas PhD
Chief designer



Professional experience

- 2014 - chief constructor, chief designer
Designing the aerobatic aircraft GenPro from the prototype to the planning of the manufacturing technology Genevation Aircraft Kft.
- 2010 - 2014 chief constructor, chief designer
aircraft and helicopter design, elaboration of manufacturing technologies, aviation certification, planning of welding technology, software development Daws Engineering Hungary Bt, Wads Kft.
- 2005 – 2010 certification and testing engineer, chief designer
aircraft development and design, elaboration of manufacturing technologies, certification tasks Corvus Aircraft Kft.
- 2009 – 2010 pilot instructor Mészi Air Service Kft.
- 2005 – 2006 SolidWorks software support and system engineer
support for CAD / FEA tasks, solution of system problems Eurocad Kft.
- 2004 – 2004 Boeing 737 / Airbus 320 aircraft mechanics intern, becoming familiar with hydraulics systems, yoke control systems, ATA system Lufthansa Technik Budapest Kft. intern

Studies

- 1998 – 2004 Mechanical engineer
Budapest University of Technology, mechanical engineering faculty
- 2005 Aircraft composite structure engineer
Technische Universität München Lehrstuhl für Leichtbau
- 2007 – 2010 Technical sciences PhD, aviation engineering sciences military aircrafts specification Zrínyi Miklós National University of Public Service, Aviation Engineering (Aviation and Air Defense) Institute
- 2010 – 2011 IWE / EWE international welding engineer
Budapest University of Technology and Economics, Postgraduate special engineer training

Important publications

- „Light aircraft weight reduction using novel avionics techniques”, authors: Csaba Farkas and Robert Szabolcsi, 2010. XII. International Conference „Scientific Research and at in the Air Force Brasov Henri Coanda Academy, 27 May 2010.
- „Az első magyar tervezésű „air race” műrepülőgép tervezési, tesztelési eredményei, katonai kiképzőgépként történő alkalmazásának lehetőségei” (Planning and test results of the first Hungarian air race aerobatic aircraft and its possible use as a military training aircraft) – Csaba Farkas and Péter Besenyey, Aviation Science Conference Konferencia, Szolnok, 16 April 2010.
- „Application of integrated EFIS-EMS, NAV-COM and automatized on-board systems in GAT light aircraft sector considering weight reduction requirements”, author: Csaba Farkas, 2009. Aarms Year 2009 Volume 8 Issue 4
- „Corvus Racer 540 tervezési, gyártási és tesztelési CAE alapokra helyezett munkafolyamatai” (CAE-based design, manufacturing and testing work processes of Corvus Racer 540) – Csaba Farkas, Repüléstudományi Közlemények, Szolnok, 24 April 2009.
- „Kompozit sárkányszerkezetű repülőgép konstrukciók tervezésének, gyártásának időszerű kérdései” (Current issues on the design and manufacturing of composite hang-glider structured aircraft constructions) – Csaba Farkas, Repüléstudományi Közlemények, Volume XX, 2008/2.
- „Buckling FEA analyses of pushrods in the flight control systems of up-to-date aircrafts”, author: Csaba Farkas, Prof. Dr Gyula Óvári, Béla Varga, 2008. Transport Means 2008, Kaunas University of Technology, Proceedings of the 12th International Conference
- „Könnyű repülőgép certifikálásának folyamata Európában repülésbiztonsági szempontok értelmében” (The certification process of lightweight aircrafts in view of aviation security aspects) – Csaba Farkas, Budapest Technical University, invited speaker, Aviation Science Days, 14 November 2008.

Competences

CAD / CAM / FEA high-level knowledge

SolidWorks qualified designer

Solid Edge qualified designer

Cosmos high-level knowledge

Femap high-level knowledge

Flow Works high-level knowledge

Fluent high-level knowledge