Maxim Tyan PhD

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Date of Birth: June 7, 1988
Nationality: Uzbekistan

Qualification

- Manned/unmanned aircraft design optimization, framework development
- CFD Analysis, grid generation, automation and integration
- Variable fidelity modeling, design with uncertainty, surrogate modeling
- CAD modeling, automation, process integration
- NC-machining process development (Siemens, FANUC)

Education

Konkuk University	**Seoul, Korea**
MSc-PhD, Department of Aerospace Information Engineering	*2010–2015*
Tashkent State Technical University	**Tashkent, Uzbekistan**
BSc, Aerospace Engineering	*2005–2009*

Experience

Konkuk Aerospace Design-Airworthiness Institute	**Seoul, Korea**
Senior Researcher	*2010–present*
Muhandis Servis Ltd	**Tashkent Uzbekistan**
Manufacturing Engineer	*2007–2010*

Computer Skills

Programming: Python (incl. Qt4), MATLAB, C, VBA, glyph, tcl
CAD/CAM: CATIA V5, AutoCAD
CFD: Ansys Fluent, Pointwise
Graphics: Adobe Photoshop, Lightroom, Premiere, Corel Draw

Publications and Conference Proceedings

SCI/SCIE Journal Publications: 10 published, 2 under review, 3 in preparation
Conference Proceedings: 18 international, 24 local

Honors and Awards

2015: Konkuk Academy Award
2010–2013: Brain Korea 21 Scholarship

Language

Russian: Native speaker
English: ILR Level 4 (Full professional proficiency)

Korean: Fluent
Uzbek: Conversational level

Teaching

Aircraft Design Project: Undergraduate, Graduate
Optimum Design: Undergraduate, Graduate
Aircraft Configuration Design: Undergraduate, Graduate

Participated Projects

Konkuk Aerospace Design-Airworthiness Institute

2015–present: Hybrid UAV development

2014–present: Uncertainty aerospace design optimization using advanced variable complexity modeling method

2014–2015: UAV design framework development

2010–2015: Light aircraft development

2013–2014: Gliding aerial vehicle design

2011–2012: HALE UAV resizing program development

2010–2011: Aircraft design certification framework development (CADIS)

Muhandis Servis Ltd

2009: NC milling workshop setup

2008-2010: Mold manufacturing technology development