

CURRICULUM VITAE

a) PERSONAL INFORMATION:

1) Name: **Dr. Daniel Feszty**

2) Scientific qualifications:

Professor (2021)

Habilitation (2020, Széchenyi University, Hungary, Győr)

PhD. (2001, University of Glasgow, Scotland, U.K.)

2) Full-time position:

Senior Manager

Total Vehicle Development (G/GF)

AUDI HUNGARIA Zrt.

9027 Győr, Hungary

Audi Hungária út 1.

daniel.feszty@audi.hu

Tel: +36-96-66-7538

Mobil: +36-30-767-7538

3) Academic affiliations:

Professor

Head of Department

Department of Whole Vehicle Engineering

Audi Hungaria Faculty of Automotive Eng.

Széchenyi István University

Egyetem tér. 1

9026 Győr, Hungary

www.jft.sze.hu

feszty.daniel@sze.hu

06-30-767 7538



b) EDUCATION:

1997 - 2001

PhD. in Aerospace Engineering,
University of Glasgow, Glasgow, Scotland, U.K.

1991 – 1996

Ing. (Dipl. Engineer) in Aerospace Engineering,
Brno University of Technology, Brno, Czech Republic

1986 – 1990

Technical High School,
Révkomárom (Komárno), Slovakia

c) **EMPLOYMENT HISTORY:**

- 2021 Oct – present **Professor and Head of Department** (the latter from 2017 Oct)
Department of Whole Vehicle Engineering
Audi Hungaria Faculty of Automotive Engineering
Széchenyi István University
Győr, Hungary
- 2017 Jul – present **Senior Manager**
Total Vehicle Development (G/GF)
Audi Hungaria Zrt., Győr, Hungary
- 2017 Jul – 2021 Oct **Associate Professor and Head of Department** (the latter from 2017 Oct)
Department of Whole Vehicle Engineering
Audi Hungaria Faculty of Automotive Engineering
Széchenyi István University
Győr, Hungary
- 2017 Jul – present **Adjunct (Visiting) Professor**
Department of Mechanical and Aerospace Engineering
Carleton University, Ottawa, ON, Canada
- 2016 Jul – 2017 Sep **Visiting Professor**
Department of Whole Vehicle Engineering
Audi Hungaria Faculty of Automotive Engineering
Széchenyi István University
Győr, Hungary
- 2015 May – 2016 May **Expert, Whole Vehicle Development (G/GF)**
Audi Hungaria Motor Zrt., Győr, Hungary
(as sabbatical year from Carleton University)

Responsibilities:

- Leading an industrial project related to gearbox acoustics
 - o proposal of diagnostics methods
 - o design and coordination of test rig and road tests
- Supporting the activities of the Audi Hungaria Department of Whole Vehicle Engineering at Széchenyi University, Győr, Hungary:
 - o Preparing English-Hungarian course material and teaching the Computational Fluid Dynamics course (60 students/term)
 - o participation in research projects
 - o mentorship of Formula Student project
 - o co-Supervision of 4 MSc theses
 - o setup and support of international collaborations

- 2009 July – 2017 June **Associate Professor**
Department of Mechanical and Aerospace Engineering
Carleton University, Ottawa, ON, Canada
- 2003 July – 2009 June **Assistant Professor**
Department of Mechanical and Aerospace Engineering
Carleton University, Ottawa, ON, Canada
- 2001 Oct – 2003 Mar **Postdoctoral Research Associate**
Department of Aerospace Engineering

University of Glasgow, Glasgow, Scotland, U.K.

- 1997 Apr – 1997 Sep **Mi – 17 helicopter technician**
Compulsory military service
Slovak Air Force, Slovakia
- 1996 Oct – 1997 Mar **Aircraft design engineer**
Evektor Ltd. Kunovice, Czech Republic
- 1990 Oct – 1991 Jun **Construction worker**
Povodie Dunaja, Komárno, Czechoslovakia

d) RESEARCH AREAS:

- Systems Engineering in the automotive sector
- Noise, Vibration and Harshness (NVH) of car structures
- rotary-wing (helicopters, propellers, wind turbines) aeromechanics, vibration and acoustics
- active vibration and noise control technologies
- computational and experimental aerodynamics
- unsteady flows
- scaled helicopter rotor head and composite helicopter rotor blades design
- UAV helicopter performance enhancement
- wind turbine wake interference effects, wind farm layout optimization
- Computational Fluid Dynamics (CFD) development for the improvement of Discrete Vortex Methods
- hypersonics of re-entry vehicles

e) SCIENTIFIC PUBLICATIONS:

Author or co-author of more than 100 scientific publications in the area of vehicle acoustics, vibration and aeroacoustics, aerodynamics.

Summary of the scientific metrics:

Google Scholar: [Daniel Feszty - Google Tudós](#)

Scopus: [Feszty, Dániel - Author details - Scopus Preview](#)

f) RESEARCH GRANTS:

Have won close to 3 million EUR worth of government and industry research grants as principal or co-investigator, from which my share is about 1.85 million EUR. Please see Appendix A for full list of research grants won.

g) TRAINING OF GRADUATE STUDENTS:**PhD student supervision:****Completed: 7**

Khider Al-Jaburi (2014 - 2019)
 Sean McTavish (2009 - 2014)
 Gregory Oxley (2004 - 2009)
 Marcell Treszkai (2018 - 2023)
 János Kun (2017 - 2024)
 Dávid Sipos (2018 - 2024)
 Tamás Kolossváry (2018 - 2024)

In progress: 3

Attila Schweighardt (2018 -)
 Ferenc Ignácz (2019 -)
 Viktor Szabó (2020 -)
 Krisztián Horváth (2023 -)

MSc students:

In Canada¹: 23 (completed)
In Hungary: over 30

Many of my students have won prestigious awards, such as Konstyantyn Khomutov the \$100,000 worth Martin Walmsley Fellowship from the Ontario Center of Excellence (OCE), Mark Kotwicz Herniczek, Dustin Jee and Brian Sanders, who won the Runner-Up Prize in the prestigious Lichten competition of the American Helicopter Society (AHS) or Khider Al-Jaburi and Daniel Gosselin, who has won 1st prize in the Americas region of the American Helicopter Society's Lichten competition as the best new research paper. In Hungary, Krisztián Király has won the local round of TMDK (Scientific Artistic Student Activities) competition. Four of my students have won Campus Mundi scholarships to spend time at institutions in my network in Canada, Australia and Belgium.

h) MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:

2018: **Member**
Germany – Hungary Innovation Forum
 Delegate of Széchenyi University

2016 – 2018: **Member**
Rotordynamics Technical Committee
 International Federation for the Promotion of Mechanism and Machine Science (IFTToMM)

2016 – 2017: **Member**
Wind Energy Technical Team

¹ 2-years long training with 16 months of thesis work. In Canada, the tuition fee and research salary is paid not by the state but from the professor's research grant, thus the number of students supervised was limited by the research funding secured by the professor.

American Helicopter Society (AHS)

- 2013 – 2017: **Founder and Faculty Advisor**
American Helicopter Society's Student Chapter at Carleton University,
(attracts about 20 new members each year).
- 2008 – 2017: **Professional Engineer (P.Eng.)**,
i.e. a licenced Engineer in the province of Ontario, Canada.
- 2003 – 2018: **American Helicopter Society (AHS)** - member
- 1999 – 2018: **American Aeronautics and Astronautics Institute (AIAA)** - member

i) AWARDS:

- Jun 2017 **Best Paper Award**
Design & Education Technical Committee of the AIAA (American Institute for Aeronautics and Astronautics)
AIAA Aviation 2017 Forum, Denver, CO, USA, 5-9 June 2017
(for Ref. 43 under Conference Papers in Appendix A)
- 2017, 2016, 2014 **Winner of the Americas Region**
AHS (American Helicopter Society) Lichten competition
For the best scientific publication co-authored by a new researcher
(for Refs. 36, 31, 30 under Conference Papers in Appendix A)
- 2016 Apr **Runner-up: world finals** (of 7 regional winners)
AHS (American Helicopter Society) Lichten competition
For the best scientific publication co-authored by a new researcher
(for Ref. 30 in Appendix A)
- 2016 Apr **Best Presentation Award**
Ricardo User Conference Europe, Ludwigsburg, Germany
(for Ref. 2 under Non Peer-Reviewed Conference Papers in Appendix A)
- 2012 Jul **Honorable Mention** (of Smart Rotor Systems Ltd., a start-up company I have served as President and co-founder)
Entrepreneurial Challenge, Sikorsky Aircraft, United States

j) OTHER ACADEMIC/PROFESSIONAL ACTIVITIES:

- 2020/06 – present **Member of workgroup**
Design and implementing a new BSc in Vehicle Engineering program
Széchenyi University, Győr, Hungary
- 2020/01 – 2020/04 **Member of workgroup**
Design of a new "R&D Project Manager" Postgraduate program
Széchenyi University, Győr, Hungary
- 2019/05 – present **Founder and organizer**
Acoustics Seminar Series
(https://jft.sze.hu/en_GB/acoustics-seminar-series-2)
Széchenyi University, Győr, Hungary

- Scientific presentations on Acoustics from world leading experts, in 2019 with 3 distinguished speakers from Canada and Australia
- 2019/01 – present **Co-founder and Member of Organizing Committee**
Audi Development Camp (www.audicamp.sze.hu)
 Széchenyi University, Győr, Hungary
 A unique and novel 1-month long intensive project-based educational camp, in which students from the world come to Győr to solve an industry defined project on the conceptual design of a hybrid drivetrain vehicle. Mentors are former leading F1 engineers.
- 2019/03 – present **Academic Coordinator – Motorsport Engineering Postgraduate Program**
 Department of Whole Vehicle Engineering
 Audi Hungaria Faculty of Automotive Engineering
 Széchenyi University (SZE), Győr, Hungary
- 2018/08 – present **Academic Leader and Member of Organizing Committee**
Formula Student Symposium (www.fss.sze.hu)
 Széchenyi University, Győr, Hungary
 A unique 3-day event aiming to complement the knowledge of Formula Student team members with the latest know-how from F1, motorsport and former winning FS team experts. Over 200 international students attended the event in 2019.
- 2018/01 – present **Research Group Leader**
MTA - SZE “Lendület” Vehicle Acoustics Research Group
 Department of Whole Vehicle Engineering
 Audi Hungaria Faculty of Automotive Engineering
 Széchenyi University (SZE), Győr, Hungary
- Research group co-founded by the Hungarian Academy of Sciences (MTA) and Audi Hungaria and supported by 1 million EUR over 5 years
- Hosted by Széchenyi University (SZE), Győr, Hungary
 - Development of simulation methodology for the prediction of interior noise including trim materials for the mid-frequency range
 - Methods to be explored: FEA, Virtual SEA, HFEA, SEA and Biot-parameters measurements
 - Research defined jointly by Audi Hungaria (Győr) and Audi AG (Germany)
 - Supervising 4 PhD students
 - Secured research collaboration agreements with the University of Sherbrooke (Canada), Free Field Technology – an MSC company (Belgium) on the joint research of Biot-parameters and Virtual SEA methods.
- 2015 – present **Engineering Judge**
Formula Student East and Formula Student Hungary, Hungary
 Serving as engineering judge for Conceptual Design and Aerodynamics
- 2003 – 2017: **Co-founder and co-leader**
Rotorcraft Research Group
 Carleton University, Ottawa, ON
 Co-founded Canada’s first and largest helicopter research group, which purpose is to support the Canadian helicopter industry’s R&D activities, and which graduated more than 40 PhD and MSc students in the past 12 years.
- 2012 – 2015: **Director & co-founder**
Aerospace Research Unit
Carleton University, Ottawa, Canada

Concentrates about 30 aerospace professors throughout the campus (www.carleton.ca/aerospace), which is one of Canada's largest academic aerospace research institute

- 2009 – 2015: **President and co-founder**
Smart Rotor Systems Ltd., Ottawa, Canada
www.smartrotorsystems.ca
an R&D – focussed start-up company taking key research results in helicopter vibration control technologies to higher TRL (Technology Readiness Level) as well as providing opportunity to new graduates to gain experience.
- 2014 Feb: **Steering Committee Member**
France – Canada Aerospace Summit (FRACAS)
Carleton University, Ottawa, ON
- 2014 Jan: **Organizer**
AHS (American Helicopter Society) Montreal-Ottawa Chapter evening, with the Canadian Aerovelo Team – the first team to achieve human powered helicopter flight in the world, as speakers
- 2012 Oct: **Committee Member & Site Visitor**
Canadian Engineering Accreditation Board (CEAB) for accrediting the University of Toronto's Engineering Science program (responsible for auditing the "Aerospace Concentration" of the program)
- 2011 May: **Main organizer**
AHS (American Helicopter Society) Montreal-Ottawa Chapter evening, with Prof. Inderjit Chopra of University of Maryland as main speaker
- 2010 Sep: **Steering Committee Member**
Canada – Italy Aerospace Summit, Parliament Hill, Ottawa, ON
27 Sep 2010
- 2007 **Member of Organizing Committee, ICAST 2007**
18th International Conference on Adaptive Structures and Technologies, 3-5 October 2007, Ottawa, ON
- 2005 – 2009: **Consortium leader** (of 8 universities from Canada and EU)
CESAer (Canada–EU Student Exchange in Aerospace Eng.)
- 2004 – 2005 **Associate Chair** (for graduate studies)
Department of Mechanical and Aerospace Engineering
Carleton University, Ottawa, ON
- 2003 – 2017: **Departmental committees (at Carleton University):**
- **Aerospace curriculum committee** (2013 - 2015) – Chair
 - Regular oversight and suggestion of improvements for all aerospace engineering courses at Carleton
 - **High-school recruitment committee** (2010 - 2015) – Chair
 - Organizing and covering the department's representation at all high-school recruitment and 1st year student events, including the Ontario University Fair, Saturday Engineering and Design Sessions, open days, etc.
 - **Staffing committee** (2011) – member
 - Contributing to the selection and hiring of new faculty members
 - **Fluids strand committee** (2005) – Chair

- Regular oversight and suggestion of improvements for all Fluid Mechanics engineering related courses at Carleton
- **Design strand committee** (2005) – Chair
 - Regular oversight and suggestion of improvements for all design related courses at Carleton
- **“Stream C” Avionics review committee** (2005) – member
 - Review and suggestion of improvements for all design related courses at Carleton

k) INVITED PRESENTATIONS/APPERANCES:

2019 Jun	Audi Development Camp (www.audicamp.sze.hu) Széchenyi University, Győr, Hungary “Inexperience as the catalysator of great ideas”
2019 Mar	Mobile United Nations Academy - “The Future of Work and the Employment of the Future” conference “Training and employment of young engineers at Audi Hungaria”
2018 Sep	TedX Győr (www.tedxgyor.hu) Győr, Hungary “Inexperience as the catalysator of great ideas”
2017 Nov	NAFEMS Numerical Simulation in Vehicle Engineering Awarness Seminar Budapesti Műszaki Egyetem (Technical University of Budapest) Hungary “The role of numerical simulation in Whole Vehicle Development at Audi Hungaria”
2017 Oct	Hungarian Academy of Sciences (MTA) West-Hungary Regional Conference Pannon Egyetem (Pannon University) Nagykanizsa, Hungary “The importance of acoustics research in the automotive industry”
2016 Jun	24th SVSFEM ANSYS User’s Conference , Dolni Morava, Czech Republic “Challenges in the simulations of rotary wings”
2016 May	“Mindentudás Egyeteme” lecture series Szegedi Tudományegyetem (Szeged University), Hungary “Towards understanding the invisible – parallels between aerospace and automotive research in the light of Fluid Mechanics”
2016 Apr	Automotive Industry 2016 conference, Budapest, Hungary “State-of-the-art technology in vehicle development at Audi Hungaria”
2016 Apr	Óbudai Egyetem (Óbuda University), Budapest, Hungary “The interaction of Stress Analysis and Fluid Mechanics in the research of helicopter active noise and vibration control”
2015 Feb	Parliament of the Province of Ontario, Toronto, Canada “Leading Canada: Aerospace Engineering and Research at Carleton University” Presentation to provincial politicians about the future potentials of aerospace engineering in Ottawa, Canada.
2014 May	Mobility of Future lecture series Széchenyi University, Győr, Hungary

	“Potential parallels between noise- and vibration reduction technologies in the helicopter and automotive sectors”
2013 Apr	Featured on Discovery Channel’s Daily Planet show (Canada) in a 7 minutes-long documentary on my research group’s achievements on active vibration control research for helicopters
2012 Dec	9th IDGA Military Helicopter Summit (“Helicon 2011”) Baltimore, MD, United States
2010 Nov	7th IDGA Military Helicopter Summit (“Helicon 2009”) Huntsville, AL, United States
2004 Dec	“Canadian Hypersonics Research for Defense” Symposium DRDC (Defense Research Development Canada), Valcartier, QC, Canada

I) TEACHING:

I have taught altogether 18 courses in my academic career, with a **cumulative number of contact hours between 2010-2020 being around 1 900 hrs.** The courses taught are:

Undergraduate level (BSc):

- 1) **Aerospace Vehicle Performance** (4th year)
- 2) **Aircraft Stability and Control** (4th year)
- 3) **Rocket Engine Design** (4th year)
- 4) **Helicopter Aerodynamics and Performance** (4th year)
- 5) **Conceptual Design of Aircraft** (3rd year)
- 6) **Fluid Mechanics II** (3rd year)
- 7) **Fluid Mechanics I** (2nd year)
- 8) **Aerodynamics and Heat Transfer** (4th year)

MSc level:

- 1) ***Computational Fluid Dynamics**
- 2) ***Core Elements of Whole Vehicle Development**
- 3) ***CAE Methods** (co-teaching with 2 other colleagues)
- 4) ***Vehicle Properties and Conceptual Design** (co-teaching with 2 other colleagues)
- 5) ***Project Spring** (key role in designing this experiential learning-based course for 90 students)
- 6) ***Vehicle Properties and Conceptual Design**

PhD level:

- 1) **Computational Fluid Dynamics of Compressible Flows**
- 2) **Dynamics and Aerodynamics of Flight**
- 3) **Fundamentals of Fluid Dynamics**
- 4) ***Computational Fluid Dynamics for Vehicle Engineers**

Note: * at the Dept. of Whole Vehicle Engineering, Audi Faculty of Automotive Engineering, Széchenyi University, Győr, Hungary

Team-based Final Year Projects at Carleton University, Ottawa, Canada:

Note: Team-based final year projects were introduced in Canada by Carleton University in 1992. The point of this is to divide students into groups of 20-30, which are led by 3-6 professors and industry

experts. The Department of Mechanical and Aerospace Engineering at Carleton University has 10 such team-based final year projects, from which students can select. Each team mimics or simulates the operations of an engineering firm, from conceptual design to manufacturing and testing of a prototype. The task of each team is to design and build a concrete product with real timelines and real budget. This method – thanks to its success – has since been copied by a number of other universities in Canada. I have been participating in the following projects in the past 12 years:

- 1) **UAV Helicopter** (i.e. drone helicopter): Project Manager (2012 – present)
<http://ruas.mae.carleton.ca>
- 2) **UAV Aircraft** (i.e. drone aircraft): Leader of Aerodynamics Group (2010)
<http://2014uav.mae.carleton.ca/undergraduate-project/>
- 3) **Formula SAE race car**: Leader of Aerodynamics, Heat Transfer and composite chassis group (2008, 2011)
<http://cufsae.wix.com/cufsae>
- 4) **Satellite**: Leader of Launch Vehicle (i.e. rocket design) group (2004-2007)
- 5) **Zero emission gas turbine**: Leader of Aerodynamics Group (2003)

Team-based project mentoring at Széchenyi University, Győr:

- 1) **ART Formula Student** racing team: Project mentor (2017 – present)
www.arrabonaracing.hu

Note: this is the most successful Formula Student team in Hungary, the only Hungarian team to qualify to the pinnacle of Formula Student racing, the FS Germany race at Hockenheimring. Mentoring means weekly meetings with the team, aiding the design process, providing space, help in securing sponsorship.

m) LANGUAGES:

Hungarian:	first language
English:	fluent (C1 level Cambridge Advanced language exam, 1999)
German:	fluent (C2 level Goethe Institute exam, 2023)
Czech:	fluent
Slovak:	fluent
Russian:	beginner (technical reading only)

n) OTHER ACHIEVEMENTS:

Nine-times participant at the 5.2 km long cross-swimming challenge of Lake Balaton in Hungary (2015 – present) Finishing in top 20% from about 10 000 swimmers.

APPENDIX A
Research Grants

<u>Year</u>	<u>Source</u>	<u>Grant type *</u>	<u>Role (share) / Collaborator</u>	<u>Sum</u>	<u>Topic</u>	<u>Goals**</u>	<u>Field ***</u>
2019	Audi Hungaria Zrt.	Industrial project	Co-PI (50%)	96,460 EUR ****	Methods for vibroacoustic measurements	Research	2 (100%)
2019	Audi Hungaria Zrt.	Industrial project	PI (100%)	15,000 EUR ****	Simulation methodology development for engines	Research	1 (100%)
2018	Audi Hungaria Zrt.	Industrial project	Co-PI (50%)	45 000 EUR ****	Simulation methodology for engine cooldown	Research	1 (100%)
2017-22	MTA (Hungarian Academy of Sciences) + Audi Hungaria Zrt.	Targeted Momentum ("Célzott Lendület")	PI (100%)	374,167 EUR + 638,121 EUR = 1,012,288 EUR in total ****	Improved methods for the numerical simulation of structure-borne noise in cars	Research, travel, publication	2(100%)
2015-20	NSERC	Discovery Grant	PI (100%)	\$25,000/yr	Active vibration and noise control of helicopters	Research, travel, publication	1 (25%) 2 (25%) 4 (25%) 6 (25%)
2014	GARDN & Pratt & Whitney Canada	OPA: Phase II	PI (50%) with F. Nitzsche	\$156,700	Development of low noise propellers for next generation turboprop aircraft	Research, travel, publication	6(100%)
2014	NSERC & ING Robotic Aviation, Sherbrooke, QC	C: Engage	PI (100%)	\$25,000	Aerodynamic optimization of UAV Helicopter Blades	Research, publication	6(100%)
2014	NSERC & MMIST Inc., Ottawa, ON	C: Engage	PI (100%)	\$25,000	Ground Resonance Analysis of a UAV Autogiro	Research, publication	6(100%)
2013	NSERC & Ross Video, Ottawa, ON	C: Engage	PI (100%)	\$25,000	Vibration analysis of a moving camera platform	Research, publication	2 (50%) 4 (50%)
2013	NSERC & Pratt & Whitney Canada, Montreal, QC	C: Engage	CI (50%) with F. Nitzsche	\$25,000	CFD analysis of propeller noise	Research, publication	6(100%)
2012	Bell Helicopter Textron Canada, Montreal, QC	O: Support of final year project	PI (100%)	\$10,000	Design of a medium-size UAV rotorcraft	Machining, hardware	1 (12%) 2 (12%) 3 (12%) 4 (12%) 6 (50%)

2012	NSERC & Dick Engineering, Toronto, ON	C: Engage	PI (100%)	\$25,000	Water channel testing of a novel hydroelectric plant	Research, publication	1 (100%)
2011	CFI	C: LOF	Co-applicant (20%)	\$1,250,000	Anechoic wind tunnel for wind turbine interference research	Equipment	1 (100%)
2010-15	NSERC	C: Discovery Grant	PI (100%)	\$21,000/yr	Fundamental studies on rotor airfoil aerodynamics	Research, travel, publication	1 (50%) 6 (50%)
2009-2010	MITACS	C: Accelerate Cluster	PI (100%)	\$106,660	Rotary-wing noise and vibration reduction	Research, travel, equipment	1 (33%) 4 (33%) 6 (33%)
2009	MITACS & Novelis Inc, Kingston, ON	C: Accelerate	PI (100%)	\$15,000	Feasibility study of a vertical axis wind turbine	Research, travel, equipment	1 (100%)
2009-12	NSERC	C: Idea to Innovation Phase I A/B	PI (50%) with F. Nitzsche	\$181,123	Experimental demonstrations of stiffness control	Research, equipment	1 (20%) 2 (20%) 3 (20%) 4 (20%) 6 (20%)
2008	Carleton University	O: Foundry Program	PI (50%) with F. Nitzsche	\$10,000	Preliminary study of modeling a single wind turbine wake	Research	1 (100%)
2008	Innovation Alliance	OPA: Nimble Fund	Co-PI (50%) with F. Nitzsche	\$10,000	Preliminary study of modeling multiple wind turbine interference	Research	1 (100%)
2008	Ontario Centers of Excellence	C: International Travel Scholarship	PI (50%) with F. Nitzsche	\$43,200	Three (3) travel scholarships for 3 PhD students for 4 months stays each in Europe	Travel (students only)	1 (33%) 4 (33%) 6 (33%)
2006	NSERC	C: Research Tools and Instruments	Co-PI (50%) with F. Nitzsche	\$42,288	Carleton Rotorcraft Laboratory	equipment	4 (50%) 6 (50%)
2005 - 09	Human Resources Development Canada	OPA: International Academic Mobility Program	PI (25%) with 3 others	\$199,900	CESAer : Canada-EU Student Exchange in Aerospace Engineering	Research, travel	1 (20%) 2 (20%) 3 (20%) 4 (20%) 6 (20%)

2004 - 07	NSERC & AgustaWestland. Italy	C: Special Research Opportunity	Co-PI (50%) with F. Nitzsche	\$452,450	New technologies for rotary wing noise and vibration attenuation	Research, travel, equipment, publication	1 (20%) 2 (20%) 3 (20%) 4 (20%) 6 (20%)
2004	NSERC	C: Research Tools and Instrument	Co-PI (50%) with F. Nitzsche	\$30,733	Wind tunnel infrastructure for Particle Image Velocimetry measurements	Research, equipment	1 (50%) 6 (50%)
2004 - 09	NSERC	C: Discovery Grant	PI (100%)	\$20,370/yr for 5 years	Numerical simulation of a helicopter smart rotor with trailing-edge flap control	Research, travel, publication	1 (50%) 6 (50%)

Total: \$4,613,148 (= 3,096,073 EUR)
 (Dr. Feszty's share: \$2,860,504 =1,919,802 EUR)

*Type: C - Granting councils (NSERC, OCE, etc.);
 OPA - Other Peer Adjudicated (Government, Foundations, etc.);
 CT - Contracts
 O - Other (university grant, etc.)

** Purpose: research, equipment, travel, publication, etc.

*** OCIMAE Fields (indicate % allocated to each field if multiple fields are covered):

- | | | |
|-----------------------------------|---------------------------------|----------------------------|
| 1 - Thermal and Fluid Engineering | 3 - Materials and Manufacturing | 5 - Biomedical Engineering |
| 2 - Solid Mechanics and Design | 4 - Controls and Robotics | 6 - Aerospace Engineering |

**** The conversion of 1 CAD = 1.49 EUR was used for calculating the total sums