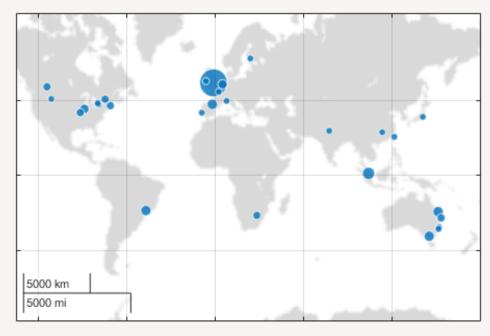# Vampire User Event 2022: Introduction

14th June 2022

Daniel Firth & Ed Garner

Introduction - Contents

- Housekeeping

- Our vision for Vampire

- Meet the Team

- Agenda

Vampire User Event - Participants

Housekeeping

- Please stay muted with video off unless speaking

- Session will be recorded

- Reserve questions for Q&A at end of each presentation

- Final Q&A at end of event for any other questions

- Written questions in chat window also welcome

- If time runs out then please submit written questions in the chat window and we will publish questions and answers after the meeting

1. Please raise your hand during Q&A

2. If chosen, unmute and turn video on

3. Give your name and organisation

SNC·LAVALIN

ATKINS
Member of the SNC-Lavalin Group

Vampire User Event 14th June 2022; Ian Hills, Daniel Firth & Ed Garner

Vampire Pro

Vampire – Our Vision

Our aim is to provide a service to:

- Offer a flexible and responsive approach to satisfy the needs of our clients;

- Provide industry leading software and technical support;

- Continuously develop the functionality and efficiency of the software

Our Team

- ## Development & Technical Support:

Ian Hills
Technical Director

Phil Rogers
Technical Director

Alan Minnis
Principal Consultant

Owen Evans
Principal Engineer

Halley Porkess
Principal Engineer

Paul Molyneux-Berry
Principal Engineer

- ## Enquiries & Commercial:

Daniel Firth
Product Manager

Tom Dearsley
Product Assistant

Stephen Pell
Commercial Director

Simon Perkin
Product Director

For support, enquiries, and everything else, email us at:
vampire@atkinsglobal.com
(Previously vampire@snclavalin.com)

Agenda for today

Time	Topic	Presenter
14:00 – 14:10	Introduction and Welcome	*Ian Hills, Daniel Firth & Ed Garner* *SNC-Lavalin*
14:10 – 14:30	Introduction to Vampire Pro v8.00, plus future developments	*Ian Hills & Alan Minnis* *SNC-Lavalin*
14:30 – 14:50	Vampire on London Underground: A Practical Perspective	*Andy Vickerstaff* *Transport for London*
14:50– 15:10	Optimising suspension parameters using genetic algorithms in MATLAB-Vampire co-simulation	*Gareth Tucker* *University of Huddersfield*
15:10 – 15:30	Modelling of Coupler Angling though Multiple Vehicle Models	*Peter Klauser* *Vehicle Dynamics Group LLC*
15:30 – 15:50	Break / Video (Using projects in Vampire Pro)	*Alan Minnis* *SNC-Lavalin*
15:50– 16:10	Effect of misaligned wheelsets on safety and wear for freight rail vehicles with Vampire	*Paola G Ramos & Pedro Corrêa* *UNICAMP*
16:10 – 16:30	How to Model Offset Wagon Loads in Vampire	*Owen Evans* *SNC-Lavalin*
16:30 – 16:50	Rail Profile Evolution with Vampire-in-Loop: Designing Better Rail Profiles	*Ankur Ashtekar* *Sentient Science*
16:50 – 17:10	Modelling a Vehicle-to-Vehicle Collision in Vampire	*Phil Rogers* *SNC-Lavalin*
17:10 – 17:20	Final Summary and Q&A	*Ian Hills, Daniel Firth & Ed Garner* *SNC-Lavalin*