



# SCHEDULE DAY 1

## 06/04/2019 AT RACING POINT F1™ TEAM

TIME	TITLE	DESCRIPTION	TUTOR
8.30-9.00	<b>REGISTRATION</b>		
9.00-9.15	<b>WELCOME</b>	Introduction to the course	<b>Chris Aylett</b> CEO - Motorsport Industry Association
9.15-11.00	<b>THE ROLE OF A RACE ENGINEER</b>	The job of a Race Engineer, main tasks, skills required and how to get there.	<b>Ciaron Pilbeam</b> Chief Race Engineer - Renault F1 Team
11.00-11.15	<b>BREAK</b>		
11.15-12.15	<b>VEHICLE DYNAMICS AND SUSPENSION</b>	Introduction to vehicle dynamics and suspension	<b>James Knapton</b> Head of Vehicle Science - Red Bull Advanced Technologies
12.15-13.15		Optimising suspension set-up for ultimate performance	
13.15-14.00	<b>LUNCH</b>		
14.00-15.00	<b>THE ROLE OF THE RACE ENGINEER</b>	Q&A session with one of the most experienced Race Engineers in the world	<b>Ricardo Divila</b> Engineer in over 2,600 races around the world so far. F1, F2, F3, F3000, F Nippon, Indycars, WEC, LMP1 plus 26xLe Mans 24 Hours, 22x1000KM, 5xParis-Dakar and many more!
15.00-15.15	<b>BREAK</b>		
15.15-16.15	<b>AERODYNAMICS</b>	Aerodynamics theory and optimising set-up	<b>Willem Toet</b> Professor / Aerodynamic Specialist - Sauber Aerodynamik
16.15-17.00		F1 aerodynamics	

## THE OLIVE TREE, LONDON ROAD, TOWCESTER.

17.30 -20.00 Evening dinner with special guests

## 07/04/2019 AT RACING POINT F1™ TEAM HQ

TIME	TITLE	DESCRIPTION	TUTOR
8.30-9.00	<b>REGISTRATION</b>		
9.00-10.00	<b>TYRES</b>	Tyre theory, grip, graining, blistering, wear, temperature, degradation	<b>Ricardo Divila</b> Engineer in over 2,600 races around the world so far. F1, F2, F3, F3000, F Nippon, Indycars, WEC, LMP1 plus 26xLe Mans 24 Hours, 22x1000KM, 5xParis-Dakar and many more!
10.00-11.00		How to optimise car set-up to maximise tyre performance	
11.00-11.15	<b>BREAK</b>		
11.15-12.15	<b>BRAKE TECHNOLOGY</b>	Technical insight into brake design	<b>Jason Carpenter</b> F1 Trackside Engineer - AP Racing
12.15-13.15		How to manage brake temperature and wear for optimum performance	
13.15-14.00	<b>LUNCH</b>		
14.00-15.00	<b>RACE PREPARATION WORKSHOP</b>	Interactive workshop on how to prepare for a race weekend including examples of run sheets and set-up sheets	<b>Robert Sattler</b> Race Engineer - DTM, F1, F3, FRenault, StockCar, GT3 and LMP1
15.00-15.15	<b>BREAK</b>		
15.15-16.15	<b>STRATEGY</b>	How to determine the best race strategy	<b>Ricardo Divila</b> Engineer in over 2,600 races around the world so far. F1, F2, F3, F3000, F Nippon, Indycars, WEC, LMP1 plus 26xLe Mans 24 Hours, 22x1000KM, 5xParis-Dakar and many more!
16.15-17.00		Hints and tips on optimising this race strategy for different race series	

## 13/04/2019 AT RACING POINT F1™ TEAM HQ

TIME	TITLE	DESCRIPTION	TUTOR
8.30-9.00	<b>REGISTRATION</b>		
9.00-10.00	<b>TRANSMISSIONS AND DIFFERENTIALS</b>	Working principles behind transmissions and differentials, trackside data analysis and how to optimise set-up	<b>Tom Cooper</b> Design Engineer - Xtrac
10.00-11.00			<b>Craig Bremner</b> Senior Design Analyst - Xtrac
11.00-11.15	<b>BREAK</b>		
11.15-12.15	<b>AERODYNAMICS</b>	Differences in aerodynamics between categories and the importance of correlation	<b>Philip Bishop</b> Technical Lead Motorsport Aerodynamics - Williams Advanced Engineering
12.15-13.30	<b>RACING POINT F1™ TOUR</b>	Exclusive behind-the-scenes tour of the workshops, race bays and other working facilities	<b>Nicola Howard</b> Partner Hospitality Executive - Racing Point F1 Team
13.30-14.15	<b>LUNCH</b>		
14.15-15.15	<b>THE ROLE OF THE FIA</b>	How to work with the FIA's technical delegates	<b>Will Phillips</b> Motorsport Safety Advisor - FIA
15.15-15.30	<b>BREAK</b>		
15.30-17.00	<b>HOW TO GET TRACKSIDE</b>	Hints and tips on how to get from your sofa to the pitlane	<b>Gemma Hatton</b> MIA course leader / former F1 Tyre Engineer

## BAR ENCORE, TOWCESTER

18.00 -20.00 Evening dinner with special guests

## 14/04/2019 AT CRANFIELD SIMULATION

TIME	TITLE	DESCRIPTION	TUTOR
8.30-9.00	<b>ARRIVAL AND COFFEE IN MAIN RECEPTION AREA</b>		
9.00-11.00	<b>DRIVER COMMUNICATION &amp; DATA ANALYSIS</b>	How to analyse and extract critical information from the car and driver data channels	<b>Rik Kasius</b> Race Engineer - F3, F4, LMP3
11.00-11.30	<b>COFFEE BREAK</b>		
11.30-13.00	<b>SIMULATOR SESSION 1</b>	Interactive simulator session	<b>Rik Kasius</b> Race Engineer - F3, F4, LMP3
13.00-14.00	<b>LUNCH</b>		
14.00-16.00	<b>SIMULATOR SESSION 2</b>	Interactive simulator session	<b>Rik Kasius</b> Race Engineer - F3, F4, LMP3
16.00-16.30	<b>COFFEE BREAK AND AWARDS</b>	Students receive industry recognised diploma	<b>Chris Aylett</b> CEO - Motorsport Industry Association