

## Final Agenda

## DAY 1 | 27.10.202

[illegible]



## Final Agenda

[illegible]





| PO#             | LOACH                                                                                      |                                                                           |                                                 |                                               |                                                               |                                                  |                                                   |                                                |                                                       |
|-----------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|------------------------------------------------|-------------------------------------------------------|
|                 | Lecture No.1                                                                               | Lecture No.2                                                              | Lecture No.3                                    | OS-108                                        | OS-112                                                        | OS-114                                           | OS-117                                            | OS-123                                         | OS-125                                                |
| Session Two     | Smart Building Technology and Smart Infrastructure (Sustainable Smart Building Technology) | Artificial Intelligence and Machine Learning in Smart Building Technology | Thermal Management in Smart Building Technology | State of the Art in Smart Building Technology | Process and multi-scale modeling in Smart Building Technology | Digital Engineering in Smart Building Technology | Active Manufacturing in Smart Building Technology | Impact Assessment in Smart Building Technology | Techno-economic Analysis in Smart Building Technology |
| Session Three   | MR Smart Cities and Smart Infrastructure                                                   | MR Smart Cities and Smart Infrastructure                                  | MR Smart Cities and Smart Infrastructure        | MR Smart Cities and Smart Infrastructure      | MR Smart Cities and Smart Infrastructure                      | MR Smart Cities and Smart Infrastructure         | MR Smart Cities and Smart Infrastructure          | MR Smart Cities and Smart Infrastructure       | MR Smart Cities and Smart Infrastructure              |
| 14:00 - 14:30   | 14:30 - 14:45                                                                              | 14:45 - 15:00                                                             | 15:00 - 15:15                                   | 15:15 - 15:30                                 | 15:30 - 15:45                                                 | 15:45 - 16:00                                    | 16:00 - 16:15                                     | 16:15 - 16:30                                  | 16:30 - 16:45                                         |
| 15:00 - 15:15   | 15:15 - 15:30                                                                              | 15:30 - 15:45                                                             | 15:45 - 16:00                                   | 16:00 - 16:15                                 | 16:15 - 16:30                                                 | 16:30 - 16:45                                    | 16:45 - 17:00                                     | 17:00 - 17:15                                  | 17:15 - 17:30                                         |
| 17:30 - 17:45   | 17:45 - 18:00                                                                              | 18:00 - 18:15                                                             | 18:15 - 18:30                                   | 18:30 - 18:45                                 | 18:45 - 19:00                                                 | 19:00 - 19:15                                    | 19:15 - 19:30                                     | 19:30 - 19:45                                  | 19:45 - 20:00                                         |
| 19:45 - 20:00   | 20:00 - 20:15                                                                              | 20:15 - 20:30                                                             | 20:30 - 20:45                                   | 20:45 - 21:00                                 | 21:00 - 21:15                                                 | 21:15 - 21:30                                    | 21:30 - 21:45                                     | 21:45 - 22:00                                  | 22:00 - 22:15                                         |
| 22:15 - 22:30   | 22:30 - 22:45                                                                              | 22:45 - 23:00                                                             | 23:00 - 23:15                                   | 23:15 - 23:30                                 | 23:30 - 23:45                                                 | 23:45 - 24:00                                    | 24:00 - 24:15                                     | 24:15 - 24:30                                  | 24:30 - 24:45                                         |
| 24:45 - 25:00   | 25:00 - 25:15                                                                              | 25:15 - 25:30                                                             | 25:30 - 25:45                                   | 25:45 - 26:00                                 | 26:00 - 26:15                                                 | 26:15 - 26:30                                    | 26:30 - 26:45                                     | 26:45 - 27:00                                  | 27:00 - 27:15                                         |
| 27:15 - 27:30   | 27:30 - 27:45                                                                              | 27:45 - 28:00                                                             | 28:00 - 28:15                                   | 28:15 - 28:30                                 | 28:30 - 28:45                                                 | 28:45 - 29:00                                    | 29:00 - 29:15                                     | 29:15 - 29:30                                  | 29:30 - 29:45                                         |
| 29:45 - 30:00   | 30:00 - 30:15                                                                              | 30:15 - 30:30                                                             | 30:30 - 30:45                                   | 30:45 - 31:00                                 | 31:00 - 31:15                                                 | 31:15 - 31:30                                    | 31:30 - 31:45                                     | 31:45 - 32:00                                  | 32:00 - 32:15                                         |
| 32:15 - 32:30   | 32:30 - 32:45                                                                              | 32:45 - 33:00                                                             | 33:00 - 33:15                                   | 33:15 - 33:30                                 | 33:30 - 33:45                                                 | 33:45 - 34:00                                    | 34:00 - 34:15                                     | 34:15 - 34:30                                  | 34:30 - 34:45                                         |
| 34:45 - 35:00   | 35:00 - 35:15                                                                              | 35:15 - 35:30                                                             | 35:30 - 35:45                                   | 35:45 - 36:00                                 | 36:00 - 36:15                                                 | 36:15 - 36:30                                    | 36:30 - 36:45                                     | 36:45 - 37:00                                  | 37:00 - 37:15                                         |
| 37:15 - 37:30   | 37:30 - 37:45                                                                              | 37:45 - 38:00                                                             | 38:00 - 38:15                                   | 38:15 - 38:30                                 | 38:30 - 38:45                                                 | 38:45 - 39:00                                    | 39:00 - 39:15                                     | 39:15 - 39:30                                  | 39:30 - 39:45                                         |
| 39:45 - 40:00   | 40:00 - 40:15                                                                              | 40:15 - 40:30                                                             | 40:30 - 40:45                                   | 40:45 - 41:00                                 | 41:00 - 41:15                                                 | 41:15 - 41:30                                    | 41:30 - 41:45                                     | 41:45 - 42:00                                  | 42:00 - 42:15                                         |
| 42:15 - 42:30   | 42:30 - 42:45                                                                              | 42:45 - 43:00                                                             | 43:00 - 43:15                                   | 43:15 - 43:30                                 | 43:30 - 43:45                                                 | 43:45 - 44:00                                    | 44:00 - 44:15                                     | 44:15 - 44:30                                  | 44:30 - 44:45                                         |
| 44:45 - 45:00   | 45:00 - 45:15                                                                              | 45:15 - 45:30                                                             | 45:30 - 45:45                                   | 45:45 - 46:00                                 | 46:00 - 46:15                                                 | 46:15 - 46:30                                    | 46:30 - 46:45                                     | 46:45 - 47:00                                  | 47:00 - 47:15                                         |
| 47:15 - 47:30   | 47:30 - 47:45                                                                              | 47:45 - 48:00                                                             | 48:00 - 48:15                                   | 48:15 - 48:30                                 | 48:30 - 48:45                                                 | 48:45 - 49:00                                    | 49:00 - 49:15                                     | 49:15 - 49:30                                  | 49:30 - 49:45                                         |
| 49:45 - 50:00   | 50:00 - 50:15                                                                              | 50:15 - 50:30                                                             | 50:30 - 50:45                                   | 50:45 - 51:00                                 | 51:00 - 51:15                                                 | 51:15 - 51:30                                    | 51:30 - 51:45                                     | 51:45 - 52:00                                  | 52:00 - 52:15                                         |
| 52:15 - 52:30   | 52:30 - 52:45                                                                              | 52:45 - 53:00                                                             | 53:00 - 53:15                                   | 53:15 - 53:30                                 | 53:30 - 53:45                                                 | 53:45 - 54:00                                    | 54:00 - 54:15                                     | 54:15 - 54:30                                  | 54:30 - 54:45                                         |
| 54:45 - 55:00   | 55:00 - 55:15                                                                              | 55:15 - 55:30                                                             | 55:30 - 55:45                                   | 55:45 - 56:00                                 | 56:00 - 56:15                                                 | 56:15 - 56:30                                    | 56:30 - 56:45                                     | 56:45 - 57:00                                  | 57:00 - 57:15                                         |
| 57:15 - 57:30   | 57:30 - 57:45                                                                              | 57:45 - 58:00                                                             | 58:00 - 58:15                                   | 58:15 - 58:30                                 | 58:30 - 58:45                                                 | 58:45 - 59:00                                    | 59:00 - 59:15                                     | 59:15 - 59:30                                  | 59:30 - 59:45                                         |
| 59:45 - 60:00   | 60:00 - 60:15                                                                              | 60:15 - 60:30                                                             | 60:30 - 60:45                                   | 60:45 - 61:00                                 | 61:00 - 61:15                                                 | 61:15 - 61:30                                    | 61:30 - 61:45                                     | 61:45 - 62:00                                  | 62:00 - 62:15                                         |
| 62:15 - 62:30   | 62:30 - 62:45                                                                              | 62:45 - 63:00                                                             | 63:00 - 63:15                                   | 63:15 - 63:30                                 | 63:30 - 63:45                                                 | 63:45 - 64:00                                    | 64:00 - 64:15                                     | 64:15 - 64:30                                  | 64:30 - 64:45                                         |
| 64:45 - 65:00   | 65:00 - 65:15                                                                              | 65:15 - 65:30                                                             | 65:30 - 65:45                                   | 65:45 - 66:00                                 | 66:00 - 66:15                                                 | 66:15 - 66:30                                    | 66:30 - 66:45                                     | 66:45 - 67:00                                  | 67:00 - 67:15                                         |
| 67:15 - 67:30   | 67:30 - 67:45                                                                              | 67:45 - 68:00                                                             | 68:00 - 68:15                                   | 68:15 - 68:30                                 | 68:30 - 68:45                                                 | 68:45 - 69:00                                    | 69:00 - 69:15                                     | 69:15 - 69:30                                  | 69:30 - 69:45                                         |
| 69:45 - 70:00   | 70:00 - 70:15                                                                              | 70:15 - 70:30                                                             | 70:30 - 70:45                                   | 70:45 - 71:00                                 | 71:00 - 71:15                                                 | 71:15 - 71:30                                    | 71:30 - 71:45                                     | 71:45 - 72:00                                  | 72:00 - 72:15                                         |
| 72:15 - 72:30   | 72:30 - 72:45                                                                              | 72:45 - 73:00                                                             | 73:00 - 73:15                                   | 73:15 - 73:30                                 | 73:30 - 73:45                                                 | 73:45 - 74:00                                    | 74:00 - 74:15                                     | 74:15 - 74:30                                  | 74:30 - 74:45                                         |
| 74:45 - 75:00   | 75:00 - 75:15                                                                              | 75:15 - 75:30                                                             | 75:30 - 75:45                                   | 75:45 - 76:00                                 | 76:00 - 76:15                                                 | 76:15 - 76:30                                    | 76:30 - 76:45                                     | 76:45 - 77:00                                  | 77:00 - 77:15                                         |
| 77:15 - 77:30   | 77:30 - 77:45                                                                              | 77:45 - 78:00                                                             | 78:00 - 78:15                                   | 78:15 - 78:30                                 | 78:30 - 78:45                                                 | 78:45 - 79:00                                    | 79:00 - 79:15                                     | 79:15 - 79:30                                  | 79:30 - 79:45                                         |
| 79:45 - 80:00   | 80:00 - 80:15                                                                              | 80:15 - 80:30                                                             | 80:30 - 80:45                                   | 80:45 - 81:00                                 | 81:00 - 81:15                                                 | 81:15 - 81:30                                    | 81:30 - 81:45                                     | 81:45 - 82:00                                  | 82:00 - 82:15                                         |
| 82:15 - 82:30   | 82:30 - 82:45                                                                              | 82:45 - 83:00                                                             | 83:00 - 83:15                                   | 83:15 - 83:30                                 | 83:30 - 83:45                                                 | 83:45 - 84:00                                    | 84:00 - 84:15                                     | 84:15 - 84:30                                  | 84:30 - 84:45                                         |
| 84:45 - 85:00   | 85:00 - 85:15                                                                              | 85:15 - 85:30                                                             | 85:30 - 85:45                                   | 85:45 - 86:00                                 | 86:00 - 86:15                                                 | 86:15 - 86:30                                    | 86:30 - 86:45                                     | 86:45 - 87:00                                  | 87:00 - 87:15                                         |
| 87:15 - 87:30   | 87:30 - 87:45                                                                              | 87:45 - 88:00                                                             | 88:00 - 88:15                                   | 88:15 - 88:30                                 | 88:30 - 88:45                                                 | 88:45 - 89:00                                    | 89:00 - 89:15                                     | 89:15 - 89:30                                  | 89:30 - 89:45                                         |
| 89:45 - 90:00   | 90:00 - 90:15                                                                              | 90:15 - 90:30                                                             | 90:30 - 90:45                                   | 90:45 - 91:00                                 | 91:00 - 91:15                                                 | 91:15 - 91:30                                    | 91:30 - 91:45                                     | 91:45 - 92:00                                  | 92:00 - 92:15                                         |
| 92:15 - 92:30   | 92:30 - 92:45                                                                              | 92:45 - 93:00                                                             | 93:00 - 93:15                                   | 93:15 - 93:30                                 | 93:30 - 93:45                                                 | 93:45 - 94:00                                    | 94:00 - 94:15                                     | 94:15 - 94:30                                  | 94:30 - 94:45                                         |
| 94:45 - 95:00   | 95:00 - 95:15                                                                              | 95:15 - 95:30                                                             | 95:30 - 95:45                                   | 95:45 - 96:00                                 | 96:00 - 96:15                                                 | 96:15 - 96:30                                    | 96:30 - 96:45                                     | 96:45 - 97:00                                  | 97:00 - 97:15                                         |
| 97:15 - 97:30   | 97:30 - 97:45                                                                              | 97:45 - 98:00                                                             | 98:00 - 98:15                                   | 98:15 - 98:30                                 | 98:30 - 98:45                                                 | 98:45 - 99:00                                    | 99:00 - 99:15                                     | 99:15 - 99:30                                  | 99:30 - 99:45                                         |
| 99:45 - 100:00  | 100:00 - 100:15                                                                            | 100:15 - 100:30                                                           | 100:30 - 100:45                                 | 100:45 - 101:00                               | 101:00 - 101:15                                               | 101:15 - 101:30                                  | 101:30 - 101:45                                   | 101:45 - 102:00                                | 102:00 - 102:15                                       |
| 102:15 - 102:30 | 102:30 - 102:45                                                                            | 102:45 - 103:00                                                           | 103:00 - 103:15                                 | 103:15 - 103:30                               | 103:30 - 103:45                                               | 103:45 - 104:00                                  | 104:00 - 104:15                                   | 104:15 - 104:30                                | 104:30 - 104:45                                       |
| 104:45 - 105:00 | 105:00 - 105:15                                                                            | 105:15 - 105:30                                                           | 105:30 - 105:45                                 | 105:45 - 106:00                               | 106:00 - 106:15                                               | 106:15 - 106:30                                  | 106:30 - 106:45                                   | 106:45 - 107:00                                | 107:00 - 107:15                                       |
| 107:15 - 107:30 | 107:30 - 107:45                                                                            | 107:45 - 108:00                                                           | 108:00 - 108:15                                 | 108:15 - 108:30                               | 108:30 - 108:45                                               | 108:45 - 109:00                                  | 109:00 - 109:15                                   | 109:15 - 109:30                                | 109:30 - 109:45                                       |
| 109:45 - 110:00 | 110:00 - 110:15                                                                            | 110:15 - 110:30                                                           | 110:30 - 110:45                                 | 110:45 - 111:00                               | 111:00 - 111:15                                               | 111:15 - 111:30                                  | 111:30 - 111:45                                   | 111:45 - 112:00                                | 112:00 - 112:15                                       |
| 112:15 - 112:30 | 112:30 - 112:45                                                                            | 112:45 - 113:00                                                           | 113:00 - 113:15                                 | 113:15 - 113:30                               | 113:30 - 113:45                                               | 113:45 - 114:00                                  | 114:00 - 114:15                                   | 114:15 - 114:30                                | 114:30 - 114:45                                       |
| 114:45 - 115:00 | 115:00 - 115:15                                                                            | 115:15 - 115:30                                                           | 115:30 - 115:45                                 | 115:45 - 116:00                               | 116:00 - 116:15                                               | 116:15 - 116:30                                  | 116:30 - 116:45                                   | 116:45 - 117:00                                | 117:00 - 117:15                                       |
| 117:15 - 117:30 | 117:30 - 117:45                                                                            | 117:45 - 118:00                                                           | 118:00 - 118:15                                 | 118:15 - 118:30                               | 118:30 - 118:45                                               | 118:45 - 119:00                                  | 119:00 - 119:15                                   | 119:15 - 119:30                                | 119:30 - 119:45                                       |
| 119:45 - 120:00 | 120:00 - 120:15                                                                            | 120:15 - 120:30                                                           | 120:30 - 120:45                                 | 120:45 - 121:00                               | 121:00 - 121:15                                               | 121:15 - 121:30                                  | 121:30 - 121:45                                   | 121:45 - 122:00                                | 122:00 - 122:15                                       |
| 122:15 - 122:30 | 122:30 - 122:45                                                                            | 122:45 - 123:00                                                           | 123:00 - 123:15                                 | 123:15 - 123:30                               | 123:30 - 123:45                                               | 123:45 - 124:00                                  | 124:00 - 124:15                                   | 124:15 - 124:30                                | 124:30 - 124:45                                       |
| 124:45 - 125:00 | 125:00 - 125:15                                                                            | 125:15 - 125:30                                                           | 125:30 - 125:45                                 | 125:45 - 126:00                               | 126:00 - 126:15                                               | 126:15 - 126:30                                  | 126:30 - 126:45                                   | 126:45 - 127:00                                | 127:00 - 127:15                                       |
| 127:15 - 127:30 | 127:30 - 127:45                                                                            | 127:45 - 128:00                                                           | 128:00 - 128:15                                 | 128:15 - 128:30                               | 128:30 - 128:45                                               | 128:45 - 129:00                                  | 129:00 - 129:15                                   | 129:15 - 129:30                                | 129:30 - 129:45                                       |
| 129:45 - 130:00 | 130:00 - 130:15                                                                            | 130:15 - 130:30                                                           | 130:30 - 130:45                                 | 130:45 - 131:00                               | 131:00 - 131:15                                               | 131:15 - 131:30                                  | 131:30 - 131:45                                   | 131:45 - 132:00                                | 132:00 - 132:15                                       |
| 132:15 - 132:30 | 132:30 - 132:45                                                                            | 132:45 - 133:00                                                           | 133:00 - 133:15                                 | 133:15 - 133:30                               | 133:30 - 133:45                                               | 133:45 - 134:00                                  | 134:00 - 134:15                                   | 134:15 - 134:30                                | 134:30 - 134:45                                       |
| 134:45 - 135:00 | 135:00 - 135:15                                                                            | 135:15 - 135:30                                                           | 135:30 - 135:45                                 | 135:45 - 136:00                               | 136:00 - 136:15                                               | 136:15 - 136:30                                  | 136:30 - 136:45                                   | 136:45 - 137:00                                | 137:00 - 137:15                                       |
| 137:15 - 137:30 | 137:30 - 137:45                                                                            | 137:45 - 138:00                                                           | 138:00 - 138:15                                 | 138:15 - 138:30                               | 138:30 - 138:45                                               | 138:45 - 139:00                                  | 139:00 - 139:15                                   | 139:15 - 139:30                                | 139:30 - 139:45                                       |
| 139:45 - 140:00 | 140:00 - 140:15                                                                            | 140:15 - 140:30                                                           | 140:30 - 140:45                                 | 140:45 - 141:00                               | 141:00 - 141:15                                               | 141:15 - 141:30                                  | 141:30 - 141:45                                   | 141:45 - 142:00                                | 142:00 - 142:15                                       |
| 142:15 - 142:30 | 142:30 - 142:45                                                                            | 142:45 - 143:00                                                           | 143:00 - 143:15                                 | 143:15 - 143:30                               | 143:30 - 143:45                                               | 143:45 - 144:00                                  | 144:00 - 144:15                                   | 144:15 - 144:30                                | 144:30 - 144:45                                       |
| 144:45 - 145:00 | 145:00 - 145:15                                                                            | 145:15 - 145:30                                                           | 145:30 - 145:45                                 | 145:45 - 146:00                               | 146:00 - 146:15                                               | 146:15 - 146:30                                  | 146:30 - 146:45                                   | 146:45 - 147:00                                | 147:00 - 147:15                                       |
| 147:15 - 147:30 | 147:30 - 147:45                                                                            | 147:45 - 148:00                                                           | 148:00 - 148:15                                 | 148:15 - 148:30                               | 148:30 - 148:45                                               | 148:45 - 149:00                                  | 149:00 - 149:15                                   | 149:15 - 149:30                                | 149:30 - 149:45                                       |
| 149:45 - 150:00 | 150:00 - 150:15                                                                            | 150:15 - 150:30                                                           | 150:30 - 150:45                                 | 150:45 - 151:00                               | 151:00 - 151:15                                               | 151:15 - 151:30                                  | 151:30 - 151:45                                   | 151:45 - 152:00                                | 152:00 - 152:15                                       |
| 152:15 - 152:30 | 152:30 - 152:45                                                                            | 152:45 - 153:00                                                           | 153:00 - 153:15                                 | 153:15 - 153:30                               | 153:30 - 153:45                                               | 153:45 - 154:00                                  | 154:00 - 154:15                                   | 154:15 - 154:30                                | 154:30 - 154:45                                       |
| 154:45 - 155:00 | 155:00 - 155:15                                                                            | 155:15 - 155:30                                                           | 155:30 - 155:45                                 | 155:45 - 156:00                               | 156:00 - 156:15                                               | 156:15 - 156:30                                  | 156:30 - 156:45                                   | 156:45 - 157:00                                | 157:00 - 157:15                                       |
| 157:15 - 157:30 | 157:30 - 157:45                                                                            | 157:45 - 158:00                                                           | 158:00 - 158:15                                 | 158:15 - 158:30                               | 158:30 - 158:45                                               | 158:45 - 159:00                                  | 159:00 - 159:15                                   | 159:15 - 159:30                                | 159:30 - 159:45                                       |
| 159:45 - 160:00 | 160:00 - 160:15                                                                            | 160:15 - 160:30                                                           | 160:30 - 160:45                                 | 160:45 - 161:00                               | 161:00 - 161:15                                               | 161:15 - 161:30                                  | 161:30 - 161:45                                   | 161:45 - 162:00                                | 162:00 - 162:15                                       |
| 162:15 - 162:30 | 162:30 - 162:45                                                                            | 162:45 - 163:00                                                           | 163:00 - 163:15                                 | 163:15 - 163:30                               | 163:30 - 163:45                                               | 163:45 - 164:00                                  | 164:00 - 164:15                                   | 164:15 - 164:30                                | 164:30 - 164:45                                       |
| 164:45 - 165:00 | 165:00 - 165:15                                                                            | 165:15 - 165:30                                                           | 165:30 - 165:45                                 | 165:45 - 166:00                               | 166:00 - 166:15                                               | 166:15 - 166:30                                  | 166:30 - 166:45                                   | 166:45 - 167:00                                | 167:00 - 167:15                                       |
| 167:15 - 167:30 | 167:30 - 167:45                                                                            | 167:45 - 168:00                                                           | 168:00 - 168:15                                 | 168:15 - 168:30                               | 168:30 - 168:45                                               | 168:45 - 169:00                                  | 169:00 - 169:15                                   | 169:15 - 169:30                                | 169:30 - 169:45                                       |
| 169:45 - 170:00 | 170:00 - 170:15                                                                            | 170:15 - 170:30                                                           | 170:30 - 170:45                                 | 170:45 - 171:00                               | 171:00 - 171:15                                               | 171:15 - 171:30                                  | 171:30 - 171:45                                   | 171:45 - 172:00                                | 172:00 - 172:15                                       |
| 172:15 - 172:30 | 172:30 - 172:45                                                                            | 172:45 - 173:00                                                           | 173:00 - 173:15                                 | 173:15 - 173:30                               | 173:30 - 173:45                                               | 173:45 - 174:00                                  | 174:00 - 174:15                                   | 174:15 - 174:30                                | 174:30 - 174:45                                       |
| 174:45 - 175:00 | 175:00 - 175:15                                                                            | 175:15 - 175:30                                                           | 175:30 - 175:45                                 | 175:45 - 176:00                               | 176:00 - 176:15                                               | 17                                               |                                                   |                                                |                                                       |

[illegible]

**16th EASN International Conference on**  
**Innovation in Aviation & Space towards sustainability today and tomorrow**

**Final Agenda**

**DAY 4: 30.10.2024**

| 8:30 - 12:00    |                                                                                                   | Registration                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                     |        |
|-----------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| ROOM            |                                                                                                   | Lecture Hall 3-2-3                                                                                                                                                                                                  |                                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                     |        |
| 9:30 - 10:00    |                                                                                                   | KEYNOTE SPEECH                                                                                                                                                                                                      |                                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                     |        |
| Chairing by     |                                                                                                   | Technical Considerations for Propulsion Systems of Future European Launchers<br>by Prof. Francesco Naselli   University of Rome & ASI and Space Academy                                                             |                                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                     |        |
| 10:00 - 10:30   |                                                                                                   | Prof. Andrew Stohrweil   Conference in Chairing                                                                                                                                                                     |                                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                     |        |
| ROOM            |                                                                                                   | Coffee Break                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                     |        |
|                 |                                                                                                   | Lecture Hall 1                                                                                                                                                                                                      | Lecture Hall 2                                                                                                                                                                                                         | Lecture Hall 3                                                                                                                                                                                                         | OS-108                                                                                                                                                                                                                    | OS-112                                                                                                                                                                                                                                     | OS-116                                                                                                                                                                                                                    | OS-117                                                                                                                                                                                                                                    | OS-121                                                                                                                                                                                                              | OS-124 |
| Session Title   | Unleashing Hydrogen's Potential in Sustainable Aviation (H2SA Final Event)                        | Next Generation Efficient Airframe Production: Redesigning Airframe and Weighting Design                                                                                                                            | Thermal Management PART IV                                                                                                                                                                                             | Navigation and Control Optimized Systems                                                                                                                                                                               | Intuitive and multi-disciplinary aircraft design for sustainable aviation PART II                                                                                                                                         | Accretion Quantification from Design to Operational Performance PART I                                                                                                                                                                     | Acoustic/Acoustic Analysis PART I                                                                                                                                                                                         | The Race to 2035: Hybrid Electric & LSA for Regional Aviation as Direct Transport Contribution for Sustainable Aviation: Role of Sustainable Aircraft Technology Roadmaps: Which path is expected to achieve carbon-free by 2035 and why? | Enhanced Flight Interfaces & Automation in Flight Control (ETIC Project)                                                                                                                                            |        |
| Session Chair   | Mr. Marc Truesdell (CATRAN Group France)                                                          | Dr. Andreas Rotherberg (ThyssenKrupp, Germany)                                                                                                                                                                      | Prof. Michael Weigand (TU Wien, Austria)                                                                                                                                                                               | Prof. Centre Tecnològic (Universitat Politècnica de Catalunya, France)                                                                                                                                                 | Prof. Emmanuel Bernard (ONERA, SUPAERO, France)                                                                                                                                                                           | Prof. Joël Lelièvre (ONERA, SUPAERO, France)                                                                                                                                                                                               | Mr. Pietro Bortolotti (CIRA, Italy)                                                                                                                                                                                       | Mr. Roberto-Marcel Oberer (EASA, European Union Aviation Safety Agency)                                                                                                                                                                   | Mr. Jean-Sébastien De Vries (Thales Group, France)                                                                                                                                                                  |        |
| 10:30 - 10:50   | HEFA: Hydrogen combustion in turboengines<br>Michele Turchetti, Marc Truesdell                    | Beyond the Test Protocol: A New Approach for Certification of Next-Gen Turbofan Engines<br>Enrico Marafioti, Luca Turchetti, Jean-Marc Truesdell                                                                    | Modeling of Cooled Nozzle Chamber and Cooling Line Penetration in Gas Turbine Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel                                      | Water-cooled Electrojet for Next-Generation Airframe: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel        | Linear Scaled Supersonic Wing Concept for Next-Gen Airframe: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel    | Selection of Flight Performance Metrics in Next-Gen Airframe: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel                    | Acoustic/Acoustic Characterization of Turbine Compressor Noise: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel |                                                                                                                                                                                                                                           | Intensive Concept Design for Next-Gen Airframe: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel           |        |
| 10:50 - 11:10   | Modeling the phenomenon of blade vibration<br>Elisabetta Spasari                                  | Next-Gen Fuel Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Acoustic/Acoustic Characterization of Turbine Compressor Noise: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Model-based Operational Noise Analysis<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel                                                                                                         | Analysis of Critical Noise in an Aircraft Engine: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel               |                                                                                                                                                                                                                                           | Next-Gen Fuel Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel |        |
| 11:10 - 11:30   | Hydrogen system design: technological breakthroughs<br>Thomas Bernhart                            | Next-Gen Fuel Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | The need for sustainable aviation technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell                                                                                                           | Investigation and Validation of the Sustainability of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Enabling sustainable aviation technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell                                                                                                               | HEFA Project<br>Michele Turchetti                                                                                                                                                                                                         |                                                                                                                                                                                                                     |        |
| 11:30 - 11:50   | Hydrogen combustion technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell | The Application of Hydrogen in Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | The need for sustainable aviation technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell                                                                                                           | Investigation and Validation of the Sustainability of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Enabling sustainable aviation technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell                                                                                                               | HEFA Project<br>Michele Turchetti                                                                                                                                                                                                         |                                                                                                                                                                                                                     |        |
| 11:50 - 12:10   | Hydrogen combustion technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell | The Application of Hydrogen in Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | The need for sustainable aviation technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell                                                                                                           | Investigation and Validation of the Sustainability of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Enabling sustainable aviation technology: challenges and opportunities<br>Michele Turchetti, Marc Truesdell                                                                                                               | HEFA Project<br>Michele Turchetti                                                                                                                                                                                                         |                                                                                                                                                                                                                     |        |
| Open Discussion |                                                                                                   | Next-Gen Fuel Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Open Discussion                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           | HEFA Project<br>Michele Turchetti                                                                                                                                                                                                         |                                                                                                                                                                                                                     |        |
| 12:10 - 12:30   | Open Discussion                                                                                   | Next-Gen Fuel Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Compressor Noise Certification of Next-Gen Turbofan Engines: A New Approach for Certification of Next-Gen Turbofan Engines<br>Irene Marafioti, Luca Turchetti, Jean-Marc Truesdell, Christof Griebel, Christof Griebel | Open Discussion                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                           | HEFA Project<br>Michele Turchetti                                                                                                                                                                                                         |                                                                                                                                                                                                                     |        |



