



**Key words: Dr J, Professor J, astronomical community, E-ELT**

<p><b>ESOCast Episode 86: From Dr. to Professor — about the important role of ESO's community</b></p>	
<p><b>00:00</b>  <b>[Visual starts]</b>  <b>[Narrator]</b>          1. ESO, the European Southern Observatory, is a place of great diversity.</p> <p>A place where talented engineers, astronomers and many other specialists from all over the world meet and work together.</p> <p>A place where knowledge is shared to provide the astronomical community with the tools to conduct cutting-edge research.</p>	<p><b>00:00</b></p> <p>Nice images dealing with ESO, also showing people</p>
<p><b>00:30</b>  <b>ESOCast intro</b>          2. This is the ESOCast! Cutting-edge science and life behind the scenes at ESO, the European Southern Observatory.</p>	<p>ESOCast introduction</p>
<p><b>00:51</b>  <b>[Narrator]</b>          3. ESO has been a focal point for European astronomy for more than 50 years.</p> <p>It is engaged in almost every aspect of astronomy — from innovative engineering to the publication of scientific results.</p> <p>Here world-class telescopes are designed and operated; collaborations are formed to build new instruments; committees meet to evaluate requests for telescope time;</p>	<p>Still image of ESO facilities in Chile</p> <p>Flags</p> <p>People at ESO</p>

<p>astronomers use the telescopes to study the Universe; and conferences are held for them to share their results.</p> <p>None of this would be possible without the constant engagement of individuals — the astronomical community that ESO is dedicated to supporting.</p> <p>It is only by continued interaction with this community that ESO remains such an important player in modern astronomy.</p>	<p>Night timelapses</p>
<p><b>01:54</b> <b>[Narrator]</b> 4. Among ESO's greatest assets are its talented employees: engineers, astronomers and many other specialists.</p> <p>One of the ESO scientists who is well known to ESOcast viewers is our regular presenter, Dr J. aka Dr Joe Liske.</p>	<p>Astronomers, engineers and specialists</p> <p>Dr J walking in the Atacama desert, approaching Paranal</p>
<p><b>02:16</b> <b>[Narrator]</b> 5. Joe joined ESO in 2003. During his career, he has been involved in a number of cutting-edge projects, especially in the department responsible for the E-ELT — the European Extremely Large Telescope, eventually becoming the project's lead scientist.</p>	<p>Dr J at Paranal</p>
<p><b>02:37</b> <b>[Narrator]</b> 6. The E-ELT is ESO's flagship project and is also one of the most ambitious astronomical engineering projects ever undertaken.</p> <p>Its gargantuan main mirror, 39 metres in diameter, will collect more light than all the existing large optical telescopes in the world put together.</p> <p>And it will produce images 15 times sharper than those produced by the Hubble Space</p>	<p>E-ELT computer animations</p>

<p>Telescope.</p> <p>When the E-ELT ushers in a new era of ground-based astronomy, Dr J — along with many hundreds of other scientists and engineers — will have played his part in this momentous advance.</p>	<p>Dr. J at ESO Headquarters</p>
<p><b>03:24</b> <b>[Narrator]</b></p> <p>6. But astronomers are a very mobile breed. They move between countries and research organisations on a regular basis.</p> <p>And now our very own Dr J is leaving ESO and moving to the Hamburg Observatory, where he has been awarded a professorship.</p> <p>Building on his experience at ESO, he will continue to study how the Universe has evolved over its 13.8 billion-year existence; and he will also continue to be involved in developing the instruments being built for ESO's telescopes that will make that study possible.</p>	<p>Dr J leaving ESO Headquarters</p> <p>Professor J at Hamburg Observatory</p>
<p><b>04:13</b> <b>[Narrator]</b></p> <p>7. Even though he has now become a part of the very community that he has served for many years through his work at ESO, Dr J — or <i>Professor J</i> as he now is — will continue to be closely involved with ESO's work, collaborating on new advanced instruments for ESO's telescopes and serving on working groups.</p> <p>And, of course, we will still invite him to host our series of ESOcasts and Hubblecasts.</p> <p>Joe's career illustrates the importance of ESO to the community of astronomers in Europe, and the importance of that community to ESO.</p>	<p>Professor J working in his office at the Hamburg Observatory</p>

<p><b>04:57</b> <b>[Narrator]</b></p> <p>8. It is only by maintaining a strong synergy with the community that ESO can continue to provide state-of-the-art astronomical facilities.</p> <p>By attracting the best scientists and engineers ESO remains at the forefront of astronomy. Astronomers gain valuable insights into designing and operating world-class facilities — insights that will be enormously valuable in their future careers.</p> <p>As Joe Liske enters the next phase of his career, ESO moves into a future full of exciting new projects and further insights into our vast and mysterious Universe.</p>	<p>Timelapses of ESO facilities in Chile</p> <p>Astronomers at work</p> <p>Professor J at Hamburg Observatory</p> <p>E-ELT computer animation</p>
<p><b>05:45</b> <b>[Outro]</b></p>	<p>ESOcass is produced by ESO, the European Southern Observatory.</p> <p><i>ESO builds and operates a suite of the world's most advanced ground-based astronomical telescopes.</i></p>